



# The XePersian *Package*

Source documentation for [version 26.1](#)

to my Master, *Ferdowsi The Great*

If you want to report any bugs or typos and corrections in the documentation, or ask for any new features, or suggest any improvements, or ask any questions about the package, then please use the issue tracker:

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

In doing so, please always explain your issue well enough, and always include a minimal working example showing the issue.

You may also have conversations, ask questions and post answers without opening issues using the Discussions space:

<https://github.com/xepersian/xepersian/discussions>

The announcements for the new releases of the package will also appear in the Discussions space under the Announcements category.

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# The XePersian *Package*

## Persian for L<sup>A</sup>T<sub>E</sub>X 2<sub>ε</sub>, using XeT<sub>E</sub>X engine

Source documentation for [version 26.1](#)

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## 1 File algorithmic-xetex-xepersian.def

```

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

```

## 2 File algorithm-xetex-xepersian.def

```

4 \ProvidesFile{algorithm-xetex-xepersian.def}[2010/07/25 v0.2 xepersian adaptations for algo
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}

```

## 3 File amsart-xetex-xepersian.def

```

8 \ProvidesFile{amsart-xetex-xepersian.def}[2017/02/04 v0.4 xepersian adaptations for amsart c
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

```

## 4 File amsbook-xetex-xepersian.def

```

14 \ProvidesFile{amsbook-xetex-xepersian.def}[2017/02/04 v0.5 xepersian adaptations for amsbook
15 \def\frontmatter{\cleardoublepage\pagenumbering{harfi}}
16 \renewcommand \thepart {\@tartibi\c@part}
17 \def\appendix{\par

```



```

18 \c@chapter\z@ \c@section\z@
19 \let\chaptername\appendixname
20 \def\thechapter{\@harfi\c@chapter}}
21
22

```

## 5 File appendix-xetex-xepersian.def

```

23 \ProvidesFile{appendix-xetex-xepersian.def}[2015/02/01 v0.1 xepersian adaptations for appendix]
24 \renewcommand{\@resets@pp}{\par
25 \ppsavesec
26 \stepcounter{@pps}
27 \setcounter{section}{0}%
28 \if@chapter@pp
29 \setcounter{chapter}{0}%
30 \renewcommand\@chapapp{\appendixname}%
31 \renewcommand\thechapter{\@harfi\c@chapter}%
32 \else
33 \setcounter{subsection}{0}%
34 \renewcommand\thesection{\@harfi\c@section}%
35 \fi
36 \restoreapp
37 }

```

## 6 File article-xetex-xepersian.def

```

38 \ProvidesFile{article-xetex-xepersian.def}[2010/07/25 v0.2 xepersian adaptations for standard]
39 \renewcommand \thepart {\@tartibi\c@part}
40 \renewcommand\appendix{\par
41 \setcounter{section}{0}%
42 \setcounter{subsection}{0}%
43 \gdef\thesection{\@harfi\c@section}}

```

## 7 File artikel1-xetex-xepersian.def

```

44 \ProvidesFile{artikel1-xetex-xepersian.def}[2010/07/25 v0.1 xepersian adaptations for artikel]
45 \renewcommand*\thepart{\@tartibi\c@part}
46 \renewcommand*\appendix{\par
47 \setcounter{section}{0}%
48 \setcounter{subsection}{0}%
49 \gdef\thesection{\@harfi\c@section}}

```

## 8 File artikel2-xetex-xepersian.def

```

50 \ProvidesFile{artikel2-xetex-xepersian.def}[2010/07/25 v0.1 xepersian adaptations for artikel]
51 \renewcommand*\thepart{\@tartibi\c@part}
52 \renewcommand*\appendix{\par
53 \setcounter{section}{0}%
54 \setcounter{subsection}{0}%
55 \gdef\thesection{\@harfi\c@section}}

```

## 9 File artikel3-xetex-xepersian.def

```

56 \ProvidesFile{artikel3-xetex-xepersian.def}[2010/07/25 v0.1 xepersian adaptations for artikel]

```



```

57 \renewcommand*\thepart{\@tartibi\c@part}
58 \renewcommand*\appendix{\par
59   \setcounter{section}{0}%
60   \setcounter{subsection}{0}%
61   \gdef\thesection{\@harfi\c@section}}

```

## 10 File backref-xetex-xepersian.def

```

62 \ProvidesFile{backref-xetex-xepersian.def}[2010/07/25 v0.1 xepersian adaptations for backref
63 \def\backrefpagesname{\ifRTL else\   pages\fi}
64 \def\BR@Latincitex[#1]#2{%
65   \BRorg@Latincitex[#1]#2}%
66 \ifBR@verbose
67   \PackageInfo{backref}{back Latin cite \string`#2\string'}%
68 \fi
69 \Hy@backout{#2}%
70 }
71 \AtBeginDocument{%
72   \@ifundefined{NAT@parse}{%
73     \global\let\BRorg@Latincitex\@Latincitex
74     \global\let\@Latincitex\BR@Latincitex
75   }{%
76     \@ifpackageloaded{hyperref}{%
77       \def\hyper@natlinkstart#1{\Hy@backout{#1}}%
78     }%
79     \PackageInfo{backref}{** backref set up for natbib **}%
80   }%
81 }%

```

## 11 File beamer-xetex-xepersian.def

```

82 \ProvidesFile{beamer-xetex-xepersian.def}[2022/06/27 v0.2 xepersian adaptations for beamer C
83 \usefonttheme[stillsansserifmath]{serif}
84
85 \renewcommand*\{bidi@beamer@today}{%
86 \the\persianyear-\ifnum\persianmonth<10\relax0\fi\the\persianmonth-\ifnum\persianday<10\relax
87
88

```

## 12 File beamerbasetranslator-xetex-xepersian.def

```

89 \ProvidesFile{beamerbasetranslator-xetex-xepersian.def}[2022/06/27 v0.3 xepersian adaptations
90 \newcommand*\{ProvidePersianTranslation}[2]{%
91   \providetranslation{#1}{\ifRtoL{#2}{#1}}%
92 }
93
94 \ProvidePersianTranslation{Corollary}{  }
95 \ProvidePersianTranslation{Definition}{  }
96 \ProvidePersianTranslation{Definitions}{  }
97 \ProvidePersianTranslation{Example}{  }
98 \ProvidePersianTranslation{Examples}{  }
99 \ProvidePersianTranslation{Fact}{  }
100 \ProvidePersianTranslation{From?}{  }
101 \ProvidePersianTranslation{Lemma}{  }

```



```

102 \ProvidePersianTranslation{Problem}{ }
103 \ProvidePersianTranslation{Section}{ }
104 \ProvidePersianTranslation{Solution}{ }
105 \ProvidePersianTranslation{Subsection}{ }
106 \ProvidePersianTranslation{Theorem}{ }
107 \ProvidePersianTranslation{When?}{ }
108 \ProvidePersianTranslation{Who?}{ }
109
110

```

### 13 File bidityftesidenote-xetex-xepersian.def

```

111 \ProvidesFile{bidityftesidenote-xetex-xepersian.def}[2017/02/04 v0.3 xepersian adaptations for bidityft]
112
113 \setLTRcitationfont{\resetlatinfont\footnotesize}
114
115 \renewcommand*{\@bidityftesidenote@LTRmarginfont}{\resetlatinfont\footnotesize}
116
117 \renewcommand*{\@bidityftesidenote@RTLmarginfont}{\setpersianfont\footnotesize}
118
119

```

### 14 File bidimoderncv-xetex-xepersian.def

```

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

```

### 15 File boek3-xetex-xepersian.def

```

122 \ProvidesFile{boek3-xetex-xepersian.def}[2010/07/25 v0.1 xepersian adaptations for boek3 class]
123 \renewcommand*\thepart{\@tartibi\c@part}
124 \renewcommand*\frontmatter{%
125 \cleardoublepage
126 \@mainmatterfalse
127 \pagenumbering{harfi}}
128 \renewcommand*\appendix{\par
129 \setcounter{chapter}{0}%
130 \setcounter{section}{0}%
131 \gdef\@chapapp{\appendixname}%
132 \gdef\thechapter{\@harfi\c@chapter}}

```

### 16 File boek-xetex-xepersian.def

```

133 \ProvidesFile{boek-xetex-xepersian.def}[2010/07/25 v0.1 xepersian adaptations for boek class]
134 \renewcommand*\thepart{\@tartibi\c@part}
135 \renewcommand*\frontmatter{%
136 \cleardoublepage
137 \@mainmatterfalse
138 \pagenumbering{harfi}}
139 \renewcommand*\appendix{\par
140 \setcounter{chapter}{0}%
141 \setcounter{section}{0}%
142 \gdef\@chapapp{\appendixname}%
143 \gdef\thechapter{\@harfi\c@chapter}}

```



## 17 File bookest-xetex-xepersian.def

```
144 \ProvidesFile{bookest-xetex-xepersian.def}[2010/07/25 v0.1 xepersian adaptations for bookest
145 \renewcommand \thepart {\@tartibi\c@part}
146 \renewcommand\appendix{\par
147   \setcounter{chapter}{0}%
148   \setcounter{section}{0}%
149   \gdef\@chapapp{\appendixname}%
150   \gdef\thechapter{\@harfi\c@chapter}
151 }%end appendix
```

## 18 File book-xetex-xepersian.def

```
152 \ProvidesFile{book-xetex-xepersian.def}[2010/07/25 v0.2 xepersian adaptations for book class
153 \renewcommand\frontmatter{%
154   \cleardoublepage
155   \@mainmatterfalse
156   \pagenumbering{harfi}}
157 \renewcommand \thepart {\@tartibi\c@part}
158 \renewcommand\appendix{\par
159   \setcounter{chapter}{0}%
160   \setcounter{section}{0}%
161   \gdef\@chapapp{\appendixname}%
162   \gdef\thechapter{\@harfi\c@chapter}
163 }%end appendix
```

## 19 File breqn-xetex-xepersian.def

```
164 \ProvidesFile{breqn-xetex-xepersian.def}[2010/07/25 v0.1 xepersian adaptations for breqn pack
165 \def\@dmath[#1]{\if@RTL\@RTLfalse\addfontfeatures{Mapping=farsidigits}\fi%
166 \everydisplay\expandafter{\the\everydisplay \display@setup}%
167 \if@noskipsec \leavevmode \fi
168 \if@inlabel \leavevmode \global\@inlabelfalse \fi
169 \if\eq@group\else\eq@prelim\fi
170 \setkeys{breqn}{#1}%
171 \the\eqstyle
172 \eq@setnumber
173 \begingroup
174 \eq@setup@a
175 \eq@startup
176 }
177 \def\@dgroup[#1]{\if@RTL\@RTLfalse\addfontfeatures{Mapping=farsidigits}\fi%
178 \let\eq@group\@True \global\let\eq@GRP@first@dmath\@True
179 \global\GRP@queue\@emptytoks \global\setbox\GRP@box\box\voidb@x
180 \global\let\GRP@label\@empty
181 \global\grp@wdL\z@\global\grp@wdR\z@\global\grp@wdT\z@
182 \global\grp@linewidth\z@\global\grp@wdNum\z@
183 \global\let\grp@eqs@numbered\@False
184 \global\let\grp@aligned\@True
185 \global\let\grp@shiftnumber\@False
186 \eq@prelim
187 \setkeys{breqn}{#1}%
188 \if\grp@hasNumber \grp@setnumber \fi
189 }
```



```

190 \def@dseries[#1]{\if@RTL\@RTLfalse\addfontfeatures{Mapping=farsidigits}\fi%
191 \let\display@setup\dseries@display@setup
192 % Question: should this be the default for dseries???
193 \global\eq@wdCond\z@
194 \@dmath[layout={M},#1]%
195 \mathsurround\z@\@math \penalty\@Mi
196 \let\endmath\ends@math
197 \def\premath{%
198 \ifdim\lastskip<.3em \unskip
199 \else\ifnum\lastpenalty<\@M \dquad\fi\fi
200 }%
201 \def\postmath{\unpenalty\eq@addpunct \penalty\intermath@penalty \dquad \@ignoretrue}%
202 \ignorespaces
203 }

```

## 20 File latex-localize-commands-xetex-xepersian.def

```

204 \ProvidesFile{latex-localize-commands-xetex-xepersian.def}[2014/02/05 v0.3 Persian localizat
205 \eqcommand{ }{@arstrut}
206 \eqcommand{ }{above}
207 \eqcommand{ }{abovedisplayshortskip}
208 \eqcommand{ }{abovedisplayskip}
209 \eqcommand{ }{abstractname}
210 \eqcommand{ }{accent}
211 \eqcommand{ }{active}
212 \eqcommand{ }{addcontentsline}
213 \eqcommand{ }{addpenalty}
214 \eqcommand{ }{address}
215 \eqcommand{ }{addtocontents}
216 \eqcommand{ }{addtocounter}
217 \eqcommand{ }{addtolength}
218 \eqcommand{ }{addvspace}
219 \eqcommand{ }{adjdemerits}
220 \eqcommand{ }{advance}
221 \eqcommand{ }{afterassignment}
222 \eqcommand{ }{aftergroup}
223 \eqcommand{ }{aleph}
224 \eqcommand{ }{aliasfontfeature}
225 \eqcommand{ }{aliasfontfeatureoption}
226 \eqcommand{ }{allowbreak}
227 \eqcommand{ @}{alloc@}
228 \eqcommand{ }{allocationnumber}
229 \eqcommand{ }{allowdisplaybreaks}
230 \eqcommand{ }{Alph}
231 \eqcommand{ }{alph}
232 \eqcommand{ }{alsoname}
233 \eqcommand{ }{and}
234 \eqcommand{ }{angle}
235 \eqcommand{ }{appendixname}
236 \eqcommand{ }{approx}
237 \eqcommand{ }{arabic}
238 \eqcommand{ }{arg}
239 \eqcommand{ }{arrayrulecolor}
240 \eqcommand{ }{arraycolsep}

```





```

241 \eqcommand{      }{arrayrulewidth}
242 \eqcommand{      }{arraystretch}
243 \eqcommand{      }{AtBeginDocument}
244 \eqcommand{      }{AtEndDocument}
245 \eqcommand{      }{AtEndOfClass}
246 \eqcommand{      }{AtEndOfPackage}
247 \eqcommand{      }{author}
248 \eqcommand{      }{backmatter}
249 \eqcommand{      }{backslash}
250 \eqcommand{      }{badness}
251 \eqcommand{ }{bar}
252 \eqcommand{      }{baselineskip}
253 \eqcommand{      }{baselinestretch}
254 \eqcommand{      }{batchmode}
255 \eqcommand{ }{begin}
256 \eqcommand{      }{beginL}
257 \eqcommand{      }{beginR}
258 \eqcommand{      }{begingroup}
259 \eqcommand{      }{belowdisplayshortskip}
260 \eqcommand{      }{belowdisplayskip}
261 \eqcommand{ }{bf}
262 \eqcommand{      }{bfdefault}
263 \eqcommand{      }{bfseries}
264 \eqcommand{      }{bgroup}
265 \eqcommand{      }{bibitem}
266 \eqcommand{      }{bibliography}
267 \eqcommand{      }{bibliographystyle}
268 \eqcommand{      }{bibname}
269 \eqcommand{      }{bigskip}
270 \eqcommand{      }{bigskipamount}
271 \eqcommand{      }{botfigrule}
272 \eqcommand{      }{botmark}
273 \eqcommand{      }{bottompageskip}
274 \eqcommand{      }{bottomfraction}
275 \eqcommand{ }{box}
276 \eqcommand{      }{boxmaxdepth}
277 \eqcommand{ }{break}
278 \eqcommand{      }{bullet}
279 \eqcommand{ @ }{@cclv}
280 \eqcommand{ @ }{@cclvi}
281 \eqcommand{      }{caption}
282 \eqcommand{      }{catcode}
283 \eqcommand{      }{cc}
284 \eqcommand{      }{ccname}
285 \eqcommand{      }{cdot}
286 \eqcommand{      }{cdots}
287 \eqcommand{      }{centering}
288 \eqcommand{      }{centerline}
289 \eqcommand{ @ }{ch@ck}
290 \eqcommand{ }{chapter}
291 \eqcommand{      }{chaptername}
292 \eqcommand{      }{char}
293 \eqcommand{      }{chardef}
294 \eqcommand{      }{CheckCommand}

```



```

295 \eqcommand{ }{cite}
296 \eqcommand{ }{ClassError}
297 \eqcommand{ }{ClassInfo}
298 \eqcommand{ }{ClassWarning}
299 \eqcommand{ }{ClassWarningNoLine}
300 \eqcommand{ }{cleaders}
301 \eqcommand{ }{cleardoublepage}
302 \eqcommand{ }{clearpage}
303 \eqcommand{ }{cline}
304 \eqcommand{ }{closein}
305 \eqcommand{ }{closeout}
306 \eqcommand{ }{closing}
307 \eqcommand{ }{clubpenalty}
308 \eqcommand{ }{clubsuit}
309 \eqcommand{ }{colbotmark}
310 \eqcommand{ }{colfirstmark}
311 \eqcommand{ }{color}
312 \eqcommand{ }{colorbox}
313 \eqcommand{ }{coltopmark}
314 \eqcommand{ }{columncolor}
315 \eqcommand{ }{columnsep}
316 \eqcommand{ }{columnwidth}
317 \eqcommand{ }{columnseprule}
318 \eqcommand{ }{contentsline}
319 \eqcommand{ }{contentsname}
320 \eqcommand{ }{copy}
321 \eqcommand{ }{copyright}
322 \eqcommand{ }{count}
323 \eqcommand{ @}{count@}
324 \eqcommand{ }{countdef}
325 \eqcommand{ }{cr}
326 \eqcommand{ }{crr}
327 \eqcommand{ }{csname}
328 \eqcommand{ }{CurrentOption}
329 \eqcommand{ }{dashbox}
330 \eqcommand{ }{dashv}
331 \eqcommand{@ }{@date}
332 \eqcommand{ }{date}
333 \eqcommand{ }{day}
334 \eqcommand{ }{dblbotfigrule}
335 \eqcommand{ }{dblbottomfraction}
336 \eqcommand{ }{dblfigrule}
337 \eqcommand{ }{dblfloatpagefraction}
338 \eqcommand{ }{dblfloatsep}
339 \eqcommand{ }{dblfntlocatecode}
340 \eqcommand{ }{dbltextfloatsep}
341 \eqcommand{ }{dbltopfraction}
342 \eqcommand{ }{DeclareFixedFont}
343 \eqcommand{ }{DeclareGraphicsExtensions}
344 \eqcommand{ }{DeclareGraphicsRule}
345 \eqcommand{ }{DeclareOldFontCommand}
346 \eqcommand{ }{DeclareOption}
347 \eqcommand{ }{DeclareRobustCommand}
348 \eqcommand{ }{DeclareSymbolFont}

```



```

349 \eqcommand{   }{deadcycles}
350 \eqcommand{ }{def}
351 \eqcommand{ @ }{define@key}
352 \eqcommand{   }{definecolor}
353 \eqcommand{   }{deg}
354 \eqcommand{   }{delcode}
355 \eqcommand{   }{delimiter}
356 \eqcommand{   }{delimiterfactor}
357 \eqcommand{   }{depth}
358 \eqcommand{   }{diamondsuit}
359 \eqcommand{   }{dim}
360 \eqcommand{   }{dimen}
361 \eqcommand{ @ }{dimen@}
362 \eqcommand{ @ }{dimen@i}
363 \eqcommand{ @ }{dimen@ii}
364 \eqcommand{   }{dimendef}
365 \eqcommand{   }{discretionary}
366 \eqcommand{   }{displaybreak}
367 \eqcommand{   }{displayindent}
368 \eqcommand{   }{displaystyle}
369 \eqcommand{   }{displaywidth}
370 \eqcommand{   }{divide}
371 \eqcommand{   }{documentclass}
372 \eqcommand{ }{do}
373 \eqcommand{   }{dospecials}
374 \eqcommand{   }{dot}
375 \eqcommand{   }{doteq}
376 \eqcommand{   }{dotfill}
377 \eqcommand{   }{dots}
378 \eqcommand{   }{doublebox}
379 \eqcommand{   }{doublerulesepcolor}
380 \eqcommand{   }{doublerulesep}
381 \eqcommand{   }{downarrow}
382 \eqcommand{ }{dp}
383 \eqcommand{   }{dump}
384 \eqcommand{ }{edef}
385 \eqcommand{   }{egroup}
386 \eqcommand{   }{eject}
387 \eqcommand{ }{else}
388 \eqcommand{   }{em}
389 \eqcommand{   }{emergencystretch}
390 \eqcommand{   }{emph}
391 \eqcommand{@ }{@empty}
392 \eqcommand{ }{empty}
393 \eqcommand{   }{emptyset}
394 \eqcommand{   }{end}
395 \eqcommand{   }{endL}
396 \eqcommand{   }{endR}
397 \eqcommand{   }{endcsname}
398 \eqcommand{   }{endfirsthead}
399 \eqcommand{   }{endfoot}
400 \eqcommand{   }{endgraf}
401 \eqcommand{   }{endgroup}
402 \eqcommand{   }{endhead}

```



```

403 \eqcommand{      }\{endinput\}
404 \eqcommand{      }\{endlastfoot\}
405 \eqcommand{      }\{enlargethispage\}
406 \eqcommand{      }\{endline\}
407 \eqcommand{      }\{endlinechar\}
408 \eqcommand{      }\{enspace\}
409 \eqcommand{      }\{enskip\}
410 \eqcommand{      }\{eqcommand\}
411 \eqcommand{      }\{eqenvironment\}
412 \eqcommand{      }\{eqref\}
413 \eqcommand{      }\{errhelp\}
414 \eqcommand{      }\{errmessage\}
415 \eqcommand{      }\{errorcontextlines\}
416 \eqcommand{      }\{errorstopmode\}
417 \eqcommand{      }\{escapechar\}
418 \eqcommand{      }\{euro\}
419 \eqcommand{      }\{evensidemargin\}
420 \eqcommand{      }\{everycr\}
421 \eqcommand{      }\{everydisplay\}
422 \eqcommand{      }\{everyhbox\}
423 \eqcommand{      }\{everyjob\}
424 \eqcommand{      }\{everymath\}
425 \eqcommand{      }\{everypar\}
426 \eqcommand{      }\{everyvbox\}
427 \eqcommand{      }\{ExecuteOptions\}
428 \eqcommand{      }\{exhyphenpenalty\}
429 \eqcommand{      }\{expandafter\}
430 \eqcommand{      }\{extracolsep\}
431 \eqcommand{@     }\{@firstofone\}
432 \eqcommand{@     }\{@firstoftwo\}
433 \eqcommand{ @ }{\f@ur}
434 \eqcommand{      }\{fam\}
435 \eqcommand{      }\{fancy page\}
436 \eqcommand{      }\{fbox\}
437 \eqcommand{      }\{fboxrule\}
438 \eqcommand{      }\{fboxsep\}
439 \eqcommand{      }\{fcolorbox\}
440 \eqcommand{      }\{fi\}
441 \eqcommand{      }\{figurename\}
442 \eqcommand{      }\{filbreak\}
443 \eqcommand{      }\{fill\}
444 \eqcommand{      }\{firstmark\}
445 \eqcommand{      }\{flat\}
446 \eqcommand{      }\{floatpagefraction\}
447 \eqcommand{      }\{floatingpenalty\}
448 \eqcommand{      }\{floatsep\}
449 \eqcommand{      }\{flushbottom\}
450 \eqcommand{      }\{fmtname\}
451 \eqcommand{      }\{fmtversion\}
452 \eqcommand{      }\{fnsymbol\}
453 \eqcommand{      }\{font\}
454 \eqcommand{      }\{fontdimen\}
455 \eqcommand{      }\{fontencoding\}
456 \eqcommand{      }\{fontfamily\}

```



```

457 \eqcommand{ }{fontname}
458 \eqcommand{ }{fontseries}
459 \eqcommand{ }{fontshape}
460 \eqcommand{ }{fontsize}
461 \eqcommand{ }{footheight}
462 \eqcommand{ }{footins}
463 \eqcommand{ }{footnote}
464 \eqcommand{ }{footnotemark}
465 \eqcommand{ }{footnoterule}
466 \eqcommand{ }{footnotesep}
467 \eqcommand{ }{footnotesize}
468 \eqcommand{ }{footnotetext}
469 \eqcommand{ }{footskip}
470 \eqcommand{ }{frame}
471 \eqcommand{ }{framebox}
472 \eqcommand{ }{frenchspacing}
473 \eqcommand{ }{frontmatter}
474 \eqcommand{ }{futurelet}
475 \eqcommand{@ }{@gobble}
476 \eqcommand{@ }{@gobbletwo}
477 \eqcommand{@ }{@gobblefour}
478 \eqcommand{@ }{@gtempa}
479 \eqcommand{@ }{@gtempb}
480 \eqcommand{ }{gdef}
481 \eqcommand{ }{GenericInfo}
482 \eqcommand{ }{GenericWarning}
483 \eqcommand{ }{GenericError}
484 \eqcommand{ }{global}
485 \eqcommand{ }{globaldefs}
486 \eqcommand{ }{glossary}
487 \eqcommand{ }{glossaryentry}
488 \eqcommand{ }{goodbreak}
489 \eqcommand{ }{graphpaper}
490 \eqcommand{ }{guillemotleft}
491 \eqcommand{ }{guillemotright}
492 \eqcommand{ }{guilsinglleft}
493 \eqcommand{ }{guilsinglright}
494 \eqcommand{ }{halign}
495 \eqcommand{ }{hang}
496 \eqcommand{ }{hangafter}
497 \eqcommand{ }{hangindent}
498 \eqcommand{ }{hbadness}
499 \eqcommand{ }{hbox}
500 \eqcommand{ }{headheight}
501 \eqcommand{ }{headsep}
502 \eqcommand{ }{headtoname}
503 \eqcommand{ }{heartsuit}
504 \eqcommand{ }{height}
505 \eqcommand{ }{hfil}
506 \eqcommand{ }{hfill}
507 \eqcommand{ }{hfilneg}
508 \eqcommand{ }{hfuzz}
509 \eqcommand{ }{hideskip}
510 \eqcommand{ }{hidewidth}

```



```

511 \bidi@csletcs{ }{hline}% this is an exception
512 \eqcommand{ }{hoffset}
513 \eqcommand{ }{holdinginserts}
514 \eqcommand{ }{hrboxsep}
515 \eqcommand{ }{hrule}
516 \eqcommand{ }{hrulefill}
517 \eqcommand{ }{hsize}
518 \eqcommand{ }{hskip}
519 \eqcommand{ }{hspace}
520 \eqcommand{ }{hss}
521 \eqcommand{ }{ht}
522 \eqcommand{ }{huge}
523 \eqcommand{ }{Huge}
524 \eqcommand{ }{hyperlink}
525 \eqcommand{ }{hypersetup}
526 \eqcommand{ }{hypertarget}
527 \eqcommand{ }{hyphenation}
528 \eqcommand{ }{hyphenchar}
529 \eqcommand{ }{hyphenpenalty}
530 \eqcommand{@ }{@ifclassloaded}
531 \eqcommand{@ }{@ifdefinable}
532 \eqcommand{@ }{@ifnextchar}
533 \eqcommand{@ }{@ifpackageloaded}
534 \eqcommand{@ }{@ifstar}
535 \eqcommand{@ }{@ifundefined}
536 \eqcommand{ }{if}
537 \eqcommand{ @ }{if@tempwa}
538 \eqcommand{ }{ifcase}
539 \eqcommand{ }{ifcat}
540 \eqcommand{ }{ifdefined}
541 \eqcommand{ }{ifdim}
542 \eqcommand{ }{ifeof}
543 \eqcommand{ }{iff}
544 \eqcommand{ }{iffalse}
545 \eqcommand{ }{IfFileExists}
546 \eqcommand{ }{ifhbox}
547 \eqcommand{ }{ifhmode}
548 \eqcommand{ }{ifinner}
549 \eqcommand{ }{ifmmode}
550 \eqcommand{ }{ifnum}
551 \eqcommand{ }{ifodd}
552 \eqcommand{ }{ifthenelse}
553 \eqcommand{ }{iftrue}
554 \eqcommand{ }{ifvbox}
555 \eqcommand{ }{ifvmode}
556 \eqcommand{ }{ifvoid}
557 \eqcommand{ }{ifx}
558 \eqcommand{ }{ignorespaces}
559 \eqcommand{ }{immediate}
560 \eqcommand{ }{include}
561 \eqcommand{ }{includegraphics}
562 \eqcommand{ }{includeonly}
563 \eqcommand{ }{indent}
564 \eqcommand{ }{index}

```



```

565 \eqcommand{ }{indexentry}
566 \eqcommand{ }{indexname}
567 \eqcommand{ }{indexspace}
568 \eqcommand{ }{input}
569 \eqcommand{ }{InputIfFileExists}
570 \eqcommand{ }{inputlineno}
571 \eqcommand{ }{insert}
572 \eqcommand{ }{insertpenalties}
573 \eqcommand{ }{interfootnotelinepenalty}
574 \eqcommand{ }{interdisplaylinepenalty}
575 \eqcommand{ }{interlinepenalty}
576 \eqcommand{ }{intertext}
577 \eqcommand{ }{intertextsep}
578 \eqcommand{ }{invisible}
579 \eqcommand{ }{itdefault}
580 \eqcommand{ }{itshape}
581 \eqcommand{ }{item}
582 \eqcommand{ }{itemindent}
583 \eqcommand{ }{itemsep}
584 \eqcommand{ }{iterate}
585 \eqcommand{ }{itshape}
586 \eqcommand{ }{jobname}
587 \eqcommand{ }{jot}
588 \eqcommand{ }{kern}
589 \eqcommand{ }{kill}
590 \eqcommand{ }{label}
591 \eqcommand{ }{labelenumi}
592 \eqcommand{ }{labelenumii}
593 \eqcommand{ }{labelenumiii}
594 \eqcommand{ }{labelenumiv}
595 \eqcommand{ }{labelitemi}
596 \eqcommand{ }{labelitemii}
597 \eqcommand{ }{labelitemiii}
598 \eqcommand{ }{labelitemiv}
599 \eqcommand{ }{labelsep}
600 \eqcommand{ }{labelwidth}
601 \eqcommand{ }{language}
602 \eqcommand{ }{large}
603 \eqcommand{ }{Large}
604 \eqcommand{ }{LARGE}
605 \eqcommand{ }{lastbox}
606 \eqcommand{ }{lastkern}
607 \eqcommand{ }{lastpenalty}
608 \eqcommand{ }{lastskip}
609 \eqcommand{ }{LaTeX}
610 \eqcommand{ }{LaTeXe}
611 \eqcommand{ }{lccode}
612 \eqcommand{ }{ldots}
613 \eqcommand{ }{leaders}
614 \eqcommand{ }{leavevmode}
615 \eqcommand{ }{left}
616 \eqcommand{ }{leftmargin}
617 \eqcommand{ }{leftmargini}
618 \eqcommand{ }{leftmarginii}

```



```

619 \eqcommand{    }{\leftmarginiii}
620 \eqcommand{    }{\leftmarginiv}
621 \eqcommand{    }{\leftmarginv}
622 \eqcommand{    }{\leftmarginvi}
623 \eqcommand{    }{\leftmark}
624 \eqcommand{    }{\leftpageskip}
625 \eqcommand{    }{\leftskip}
626 \eqcommand{    }{\let}
627 \eqcommand{ }{\line}
628 \eqcommand{    }{\linebreak}
629 \eqcommand{    }{\linepenalty}
630 \eqcommand{    }{\lineskip}
631 \eqcommand{    }{\lineskiplimit}
632 \eqcommand{    }{\linespread}
633 \eqcommand{    }{\linethickness}
634 \eqcommand{    }{\linewidth}
635 \eqcommand{    }{\listfigurename}
636 \eqcommand{    }{\listfiles}
637 \eqcommand{    }{\listoffigures}
638 \eqcommand{    }{\listoftables}
639 \eqcommand{    }{\listparindent}
640 \eqcommand{    }{\listtablename}
641 \eqcommand{    }{\LoadClass}
642 \eqcommand{    }{\LoadClassWithOptions}
643 \eqcommand{    }{\location}
644 \eqcommand{    }{\long}
645 \eqcommand{    }{\looseness}
646 \eqcommand{    }{\lower}
647 \eqcommand{@ }{\@makeother}
648 \eqcommand{@ }{\@m}
649 \eqcommand{ @ }{\@M}
650 \eqcommand{ @ }{\@Mi}
651 \eqcommand{ @ }{\@Mii}
652 \eqcommand{ @ }{\@Miii}
653 \eqcommand{ @ }{\@Miv}
654 \eqcommand{ @ }{\@MM}
655 \eqcommand{ @ }{\m@ne}
656 \eqcommand{    }{\mag}
657 \eqcommand{ }{\magstep}
658 \eqcommand{    }{\magstephalf}
659 \eqcommand{    }{\mainmatter}
660 \eqcommand{    }{\makeatletter}
661 \eqcommand{    }{\makeatother}
662 \eqcommand{    }{\makebox}
663 \eqcommand{    }{\makeglossary}
664 \eqcommand{    }{\makeindex}
665 \eqcommand{    }{\makelabel}
666 \eqcommand{    }{\makelabels}
667 \eqcommand{    }{\MakeLowercase}
668 \eqcommand{    }{\maketitle}
669 \eqcommand{    }{\MakeUppercase}
670 \eqcommand{    }{\marginpar}
671 \eqcommand{    }{\marginparpush}
672 \eqcommand{    }{\marginparsep}

```





```

673 \eqcommand{ }{\marginparwidth}
674 \eqcommand{ }{\mark}
675 \eqcommand{ }{\markboth}
676 \eqcommand{ }{\markright}
677 \eqcommand{ }{\mathaccent}
678 \eqcommand{ }{\mathchar}
679 \eqcommand{ }{\mathchardef}
680 \eqcommand{ }{\mathcode}
681 \eqcommand{ }{\mathrm}
682 \eqcommand{ }{\maxdeadcycles}
683 \eqcommand{ }{\maxdepth}
684 \eqcommand{ }{\maxdimen}
685 \eqcommand{ }{\mbox}
686 \eqcommand{ }{\mdseries}
687 \eqcommand{ }{\meaning}
688 \eqcommand{ }{\mediumseries}
689 \eqcommand{ }{\medmuskip}
690 \eqcommand{ }{\medskip}
691 \eqcommand{ }{\medskipamount}
692 \eqcommand{ }{\medspace}
693 \eqcommand{ }{\message}
694 \eqcommand{ }{\MessageBreak}
695 \eqcommand{ }{\minrowclearance}
696 \eqcommand{ }{\mkern}
697 \eqcommand{ }{\month}
698 \eqcommand{ }{\moveleft}
699 \eqcommand{ }{\moveright}
700 \eqcommand{ }{\mskip}
701 \eqcommand{ @ }{\m@th}
702 \eqcommand{ }{\multicolumn}
703 \eqcommand{ }{\multiply}
704 \eqcommand{ }{\multispan}
705 \eqcommand{ }{\muskip}
706 \eqcommand{ }{\muskipdef}
707 \eqcommand{@ }{\@namedef}
708 \eqcommand{@ }{\@nameuse}
709 \eqcommand{ @ }{\@ne}
710 \eqcommand{ }{\name}
711 \eqcommand{ }{\natural}
712 \eqcommand{ }{\nearrow}
713 \eqcommand{ }{\nearrower}
714 \eqcommand{ }{\NeedsTeXFormat}
715 \eqcommand{ }{\neg}
716 \eqcommand{ }{\negmedspace}
717 \eqcommand{ }{\negthickspace}
718 \eqcommand{ }{\negthinspace}
719 \eqcommand{ }{\newboolean}
720 \eqcommand{ }{\newbox}
721 \eqcommand{ }{\newcommand}
722 \eqcommand{ }{\newcount}
723 \eqcommand{ }{\newcounter}
724 \eqcommand{ }{\newdimen}
725 \eqcommand{ }{\newenvironment}
726 \eqcommand{ }{\newfam}

```



```

727 \eqcommand{ }{newfont}
728 \eqcommand{ }{newhelp}
729 \eqcommand{ }{newinsert}
730 \eqcommand{ }{newlabel}
731 \eqcommand{ }{newlength}
732 \eqcommand{ }{newline}
733 \eqcommand{ }{newlinechar}
734 \eqcommand{ }{newmuskip}
735 \eqcommand{ }{newpage}
736 \eqcommand{ }{newread}
737 \eqcommand{ }{newsavebox}
738 \eqcommand{ }{newskip}
739 \eqcommand{ }{newtheorem}
740 \eqcommand{ }{newtoks}
741 \eqcommand{ }{newwrite}
742 \eqcommand{ }{noalign}
743 \eqcommand{ }{nobreak}
744 \eqcommand{ }{nobreakspace}
745 \eqcommand{ }{nocite}
746 \eqcommand{ }{noexpand}
747 \eqcommand{ }{nofiles}
748 \eqcommand{ }{noindent}
749 \eqcommand{ }{nointerlineskip}
750 \eqcommand{ }{nolimits}
751 \eqcommand{ }{nolinebreak}
752 \eqcommand{ }{nonstopmode}
753 \eqcommand{ }{nonfrenchspacing}
754 \eqcommand{ }{nonumber}
755 \eqcommand{ }{nopagebreak}
756 \eqcommand{ }{normalbaselines}
757 \eqcommand{ }{normalbaselineskip}
758 \eqcommand{ }{normalcolor}
759 \eqcommand{ }{normalfont}
760 \eqcommand{ }{normallineskip}
761 \eqcommand{ }{normallineskiplimit}
762 \eqcommand{ }{normalmarginpar}
763 \eqcommand{ }{normalsize}
764 \eqcommand{ }{notag}
765 \eqcommand{ }{null}
766 \eqcommand{ }{nullfont}
767 \eqcommand{ }{number}
768 \eqcommand{ }{numberline}
769 \eqcommand{ }{numberwithin}
770 \eqcommand{ }{@evenfoot}
771 \eqcommand{ }{@evenhead}
772 \eqcommand{ }{@oddfoot}
773 \eqcommand{ }{@oddhead}
774 \eqcommand{ }{@outeqtrue}
775 \eqcommand{ }{@outeqfalse}
776 \eqcommand{ }{obeylines}
777 \eqcommand{ }{obeyspaces}
778 \eqcommand{ }{oddsidemargin}
779 \eqcommand{ }{offinterlineskip}
780 \eqcommand{ }{omit}

```



```

781 \eqcommand{@           }{@onlypreamble}
782 \eqcommand{           }{onecolumn}
783 \eqcommand{           }{onlynotes}
784 \eqcommand{           }{onlyslides}
785 \eqcommand{           }{openin}
786 \eqcommand{           }{openout}
787 \eqcommand{           }{OptionNotUsed}
788 \eqcommand{ }{or}
789 \eqcommand{           }{outer}
790 \eqcommand{           }{output}
791 \eqcommand{           }{outputpenalty}
792 \eqcommand{           }{overfullrule}
793 \eqcommand{@           }{@preamblecmds}
794 \eqcommand{@ }{p@}
795 \eqcommand{           }{PackageError}
796 \eqcommand{           }{PackageInfo}
797 \eqcommand{           }{PackageWarning}
798 \eqcommand{           }{PackageWarningNoLine}
799 \eqcommand{           }{pagebreak}
800 \eqcommand{           }{pagecolor}
801 \eqcommand{           }{pagedepth}
802 \eqcommand{           }{pagefilllstretch}
803 \eqcommand{           }{pagefillstretch}
804 \eqcommand{           }{pagefilstretch}
805 \eqcommand{           }{pagegoal}
806 \eqcommand{           }{pagename}
807 \eqcommand{           }{pagenumbering}
808 \eqcommand{           }{pageref}
809 \eqcommand{           }{pagerulewidth}
810 \eqcommand{           }{pageshrink}
811 \eqcommand{           }{pagestretch}
812 \eqcommand{           }{pagestyle}
813 \eqcommand{           }{pagetotal}
814 \eqcommand{           }{paperheight}
815 \eqcommand{           }{paperwidth}
816 \bidi@csdefcs{ }{par}% this is an exception since \par is redefined only in some circumstances
817 \eqcommand{           }{paragraph}
818 \eqcommand{           }{parallel}
819 \eqcommand{           }{parbox}
820 \eqcommand{           }{parfillskip}
821 \eqcommand{           }{parindent}
822 \eqcommand{           }{parsep}
823 \eqcommand{           }{parshape}
824 \eqcommand{           }{parskip}
825 \eqcommand{ }{part}
826 \eqcommand{           }{partname}
827 \eqcommand{           }{partopsep}
828 \eqcommand{           }{PassOptionToClass}
829 \eqcommand{           }{PassOptionToPackage}
830 \eqcommand{           }{path}
831 \eqcommand{           }{patterns}
832 \eqcommand{           }{pausing}
833 \eqcommand{           }{penalty}
834 \eqcommand{           }{phantom}

```



```

835 \eqcommand{ }{poptabs}
836 \eqcommand{ }{postdisplaypenalty}
837 \eqcommand{ }{predisplaydirection}
838 \eqcommand{ }{predisplaypenalty}
839 \eqcommand{ }{predisplaysize}
840 \eqcommand{ }{pretolerance}
841 \eqcommand{ }{prevdepth}
842 \eqcommand{ }{prevgraf}
843 \eqcommand{ }{printindex}
844 \eqcommand{ }{ProcessOptions}
845 \eqcommand{ }{protect}
846 \eqcommand{ }{providecommand}
847 \eqcommand{ }{ProvidesClass}
848 \eqcommand{ }{ProvidesFile}
849 \eqcommand{ }{ProvidesPackage}
850 \eqcommand{ }{pushtabs}
851 \eqcommand{ }{quad}
852 \eqcommand{ }{qqquad}
853 \eqcommand{@ }{@outputpagerestore}
854 \eqcommand{ }{radical}
855 \eqcommand{ }{raggedbottom}
856 \eqcommand{ }{raggedleft}
857 \eqcommand{ }{raggedright}
858 \eqcommand{ }{raise}
859 \eqcommand{ }{raisebox}
860 \eqcommand{ }{raisetag}
861 \eqcommand{ }{rangle}
862 \eqcommand{ }{rceil}
863 \eqcommand{ }{read}
864 \eqcommand{ }{ref}
865 \eqcommand{ }{reflectbox}
866 \eqcommand{ }{refname}
867 \eqcommand{ }{refstepcounter}
868 \eqcommand{ }{relax}
869 \eqcommand{ }{removelastskip}
870 \eqcommand{ }{renewcommand}
871 \eqcommand{ }{renewenvironment}
872 \eqcommand{ }{RequirePackage}
873 \eqcommand{ }{RequirePackageWithOptions}
874 \eqcommand{ }{resizebox}
875 \eqcommand{ }{reversemarginpar}
876 \eqcommand{ }{rfloor}
877 \eqcommand{ }{right}
878 \eqcommand{ }{rightmargin}
879 \eqcommand{ }{rightmark}
880 \eqcommand{ }{rightpageskip}
881 \eqcommand{ }{rightskip}
882 \eqcommand{ }{rmdefault}
883 \eqcommand{ }{rmfamily}
884 \eqcommand{ }{Roman}
885 \eqcommand{ }{roman}
886 \eqcommand{ }{romannumeral}
887 \eqcommand{ }{rotatebox}
888 \eqcommand{ }{rowcolor}

```



```

889 \eqcommand{ }{rule}
890 \eqcommand{@ }{@secondoftwo}
891 \eqcommand{@ }{@spaces}
892 \eqcommand{ }{samepage}
893 \eqcommand{ }{savebox}
894 \eqcommand{ }{sbox}
895 \eqcommand{ }{scalebox}
896 \eqcommand{ }{scdefault}
897 \eqcommand{ }{scshape}
898 \eqcommand{ }{setkeys}
899 \eqcommand{ }{scriptfont}
900 \eqcommand{ }{scriptscriptfont}
901 \eqcommand{ }{scriptscriptstyle}
902 \eqcommand{ }{scriptsize}
903 \eqcommand{ }{scripstyle}
904 \eqcommand{ }{scrollmode}
905 \eqcommand{ }{section}
906 \eqcommand{ }{secdef}
907 \eqcommand{ }{see}
908 \eqcommand{ }{seealso}
909 \eqcommand{ }{seename}
910 \eqcommand{ }{selectfont}
911 \eqcommand{ }{setboolean}
912 \eqcommand{ }{setbox}
913 \eqcommand{ }{setcounter}
914 \eqcommand{ }{setlength}
915 \eqcommand{ }{setminus}
916 \eqcommand{ }{SetSymbolFont}
917 \eqcommand{ }{settodepth}
918 \eqcommand{ }{settoheight}
919 \eqcommand{ }{settowidth}
920 \eqcommand{ }{sfcode}
921 \eqcommand{ }{sfdefault}
922 \eqcommand{ }{sffamily}
923 \eqcommand{ }{shadowbox}
924 \eqcommand{ }{sharp}
925 \eqcommand{ }{shipout}
926 \eqcommand{ }{shortstack}
927 \eqcommand{ }{show}
928 \eqcommand{ }{showbox}
929 \eqcommand{ }{showboxbreadth}
930 \eqcommand{ }{showboxdepth}
931 \eqcommand{ }{showlists}
932 \eqcommand{ }{showthe}
933 \eqcommand{ }{simplefontmode}
934 \eqcommand{ @}{sxt@n}
935 \eqcommand{ }{skewchar}
936 \eqcommand{ }{skip}
937 \eqcommand{ @}{skip@}
938 \eqcommand{ }{skipdef}
939 \eqcommand{ }{sl}
940 \eqcommand{ }{sldefault}
941 \eqcommand{ }{slshape}
942 \eqcommand{ }{sloppy}

```



```

943 \eqcommand{ }{\slshape}
944 \eqcommand{ }{\small}
945 \eqcommand{ }{\smallskip}
946 \eqcommand{ }{\smallskipamount}
947 \eqcommand{ }{\smash}
948 \eqcommand{ }{\smile}
949 \eqcommand{ }{\snglftlocatcode}
950 \eqcommand{ }{\space}
951 \eqcommand{ }{\spacefactor}
952 \eqcommand{ }{\spaceskip}
953 \eqcommand{ }{\spadesuit}
954 \eqcommand{ }{\span}
955 \eqcommand{ }{\special}
956 \eqcommand{ }{\splitmaxdepth}
957 \eqcommand{ }{\splittopskip}
958 \eqcommand{ }{\star}
959 \eqcommand{ }{\stepcounter}
960 \eqcommand{ }{\stretch}
961 \eqcommand{ }{\string}
962 \eqcommand{ }{\strut}
963 \eqcommand{ }{\strutbox}
964 \eqcommand{ }{\subitem}
965 \eqcommand{ }{\subparagraph}
966 \eqcommand{ }{\subsection}
967 \eqcommand{ }{\substack}
968 \eqcommand{ }{\subsubitem}
969 \eqcommand{ }{\subsubsection}
970 \eqcommand{ }{\subset}
971 \eqcommand{ }{\subseteq}
972 \eqcommand{ }{\supereject}
973 \eqcommand{ }{\suppressfloats}
974 \eqcommand{@ }{@tempa}
975 \eqcommand{@ }{@tempb}
976 \eqcommand{@ }{@tempc}
977 \eqcommand{@ }{@tempd}
978 \eqcommand{@ }{@tempe}
979 \eqcommand{@ }{@tempboxa}
980 \eqcommand{@ }{@tempcnta}
981 \eqcommand{@ }{@tempcntb}
982 \eqcommand{@ }{@tempdima}
983 \eqcommand{@ }{@tempdimb}
984 \eqcommand{@ }{@tempdimc}
985 \eqcommand{@ }{@tempkipa}
986 \eqcommand{@ }{@tempkipb}
987 \eqcommand{@ }{@tempwafalse}
988 \eqcommand{@ }{@tempwatrue}
989 \eqcommand{@ }{@temptokena}
990 \eqcommand{ }{@thefnmark}
991 \eqcommand{@ }{@thirdofthree}
992 \eqcommand{ }{\tabbingsep}
993 \eqcommand{ }{\tabcolsep}
994 \eqcommand{ }{\tableofcontents}
995 \eqcommand{ }{\tablename}
996 \eqcommand{ }{\tabskip}

```



```

997 \eqcommand{ }{tabularnewline}
998 \eqcommand{ }{tag}
999 \eqcommand{ }{telephone}
1000 \eqcommand{ }{TeX}
1001 \eqcommand{ }{text}
1002 \eqcommand{ }{textbullet}
1003 \eqcommand{ }{textfont}
1004 \eqcommand{ }{textemdash}
1005 \eqcommand{ }{textendash}
1006 \eqcommand{ }{textexclamdown}
1007 \eqcommand{ }{textperiodcentered}
1008 \eqcommand{ }{textquestiondown}
1009 \eqcommand{ }{textquotedblleft}
1010 \eqcommand{ }{textquotedblright}
1011 \eqcommand{ }{textquoteleft}
1012 \eqcommand{ }{textquoteright}
1013 \eqcommand{ }{textvisiblespace}
1014 \eqcommand{ }{textbackslash}
1015 \eqcommand{ }{textbar}
1016 \eqcommand{ }{textgreater}
1017 \eqcommand{ }{textless}
1018 \eqcommand{ }{textbf}
1019 \eqcommand{ }{textcircled}
1020 \eqcommand{ }{textcolor}
1021 \eqcommand{ }{textcompwordmark}
1022 \eqcommand{ }{textfloatsep}
1023 \eqcommand{ }{textfraction}
1024 \eqcommand{ }{textheight}
1025 \eqcommand{ }{textindent}
1026 \eqcommand{ }{textit}
1027 \eqcommand{ }{textmd}
1028 \eqcommand{ }{textnormal}
1029 \eqcommand{ }{textregistered}
1030 \eqcommand{ }{textrm}
1031 \eqcommand{ }{textsc}
1032 \eqcommand{ }{textsf}
1033 \eqcommand{ }{textsl}
1034 \eqcommand{ }{textstyle}
1035 \eqcommand{ }{textsuperscript}
1036 \eqcommand{ }{texttrademark}
1037 \eqcommand{ }{texttt}
1038 \eqcommand{ }{textup}
1039 \eqcommand{ }{textwidth}
1040 \eqcommand{ }{thanks}
1041 \eqcommand{ }{the}
1042 \eqcommand{ }{thempfn}
1043 \eqcommand{ }{thicklines}
1044 \eqcommand{ }{thickmuskip}
1045 \eqcommand{ }{thinmuskip}
1046 \eqcommand{ }{thickspace}
1047 \eqcommand{ }{thinlines}
1048 \eqcommand{ }{thinspace}
1049 \eqcommand{ }{thisfancy page}
1050 \eqcommand{ }{thispagestyle}

```



```

1051 \eqcommand{ @}{thr@}
1052 \eqcommand{ }{tilde}
1053 \eqcommand{ }{tiny}
1054 \eqcommand{ }{time}
1055 \eqcommand{ }{times}
1056 \eqcommand{ }{title}
1057 \eqcommand{ }{to}
1058 \eqcommand{ }{today}
1059 \eqcommand{ }{toks}
1060 \eqcommand{ }{toksdef}
1061 \eqcommand{ }{tolerance}
1062 \eqcommand{ }{top}
1063 \eqcommand{ }{topfigrule}
1064 \eqcommand{ }{topfraction}
1065 \eqcommand{ }{topmargin}
1066 \eqcommand{ }{topmark}
1067 \eqcommand{ }{toppageskip}
1068 \eqcommand{ }{topsep}
1069 \eqcommand{ }{topskip}
1070 \eqcommand{ }{totalheight}
1071 \eqcommand{ }{tracingall}
1072 \eqcommand{ }{tracingcommands}
1073 \eqcommand{ }{tracinglostchars}
1074 \eqcommand{ }{tracingmacros}
1075 \eqcommand{ }{tracingonline}
1076 \eqcommand{ }{tracingoutput}
1077 \eqcommand{ }{tracingpages}
1078 \eqcommand{ }{tracingparagraphs}
1079 \eqcommand{ }{tracingrestores}
1080 \eqcommand{ }{tracingstats}
1081 \eqcommand{ }{triangle}
1082 \eqcommand{ }{ttdefault}
1083 \eqcommand{ }{ttfamily}
1084 \eqcommand{ @}{tw@}
1085 \eqcommand{ }{twocolumn}
1086 \eqcommand{ }{typein}
1087 \eqcommand{ }{typeout}
1088 \eqcommand{ }{uccode}
1089 \eqcommand{ }{uchyph}
1090 \eqcommand{ }{underline}
1091 \eqcommand{ }{unhbox}
1092 \eqcommand{ }{unhcopy}
1093 \eqcommand{ }{unitlength}
1094 \eqcommand{ }{unkern}
1095 \eqcommand{ }{unpenalty}
1096 \eqcommand{ }{unskip}
1097 \eqcommand{ }{unvbox}
1098 \eqcommand{ }{unvcopy}
1099 \eqcommand{ }{updefault}
1100 \eqcommand{ }{upshape}
1101 \eqcommand{ }{usebox}
1102 \eqcommand{ }{usecounter}
1103 \eqcommand{ }{usefont}
1104 \eqcommand{ }{usepackage}

```





```

1105 \eqcommand{@      }{@vobeyspaces}
1106 \eqcommand{@      }{@void}
1107 \eqcommand{      }{vadjust}
1108 \eqcommand{      }{valign}
1109 \eqcommand{      }{value}
1110 \eqcommand{      }{vbadness}
1111 \eqcommand{      }{vbox}
1112 \eqcommand{      }{vcenter}
1113 \eqcommand{      }{verb}
1114 \eqcommand{ }{vfil}
1115 \eqcommand{ }{vfill}
1116 \eqcommand{ }{vfilneg}
1117 \eqcommand{ }{vfuzz}
1118 \eqcommand{ }{visible}
1119 \eqcommand{ }{vline}
1120 \eqcommand{ }{voffset}
1121 \eqcommand{ @ }{voidb@x}
1122 \eqcommand{      }{vpageref}
1123 \eqcommand{      }{vrboxsep}
1124 \eqcommand{      }{vref}
1125 \eqcommand{ }{vrule}
1126 \eqcommand{      }{vsize}
1127 \eqcommand{      }{vskip}
1128 \eqcommand{      }{vspace}
1129 \eqcommand{      }{vsplit}
1130 \eqcommand{      }{vss}
1131 \eqcommand{      }{vtop}
1132 \eqcommand{ }{wd}
1133 \eqcommand{      }{whiledo}
1134 \eqcommand{      }{widehat}
1135 \eqcommand{      }{widetilde}
1136 \eqcommand{      }{widowpenalty}
1137 \eqcommand{ }{width}
1138 \eqcommand{      }{wlog}
1139 \eqcommand{      }{write}
1140 \eqcommand{@      }{@xobeysp}
1141 \eqcommand{ @ }{@xxxii}
1142 \eqcommand{      }{xdef}
1143 \eqcommand{      }{xleaders}
1144 \eqcommand{      }{xspaceskip}
1145 \eqcommand{ }{year}
1146 \eqcommand{@ }{z@}
1147 \eqcommand{@      }{z@skip}

```

## 21 File color-localize-xetex-xepersian.def

```

1148 color}          \-localize-xetex-xepersian.def}[2011/03/01 v0.1 localizing color package for Xe
1149 0}{rgb}{      } \0,,0}
1150 1}{rgb}{      } \1,,1}
1151 1}{rgb}{      } \0,,0}
1152 0}{rgb}{      } \1,,0}
1153 0}{rgb}{      } \0,,1}
1154 1}{cmyk}{     } \0,,0,0}
1155 0}{cmyk}{     } \1,,0,0}

```



1156 }{cmyk}{ } \0,,1,0}

## 22 File xepersian-localize-commands-xetex-xepersian.def

```
1157 \ProvidesFile{xepersian-localize-commands-xetex-xepersian.def}[2012/07/25 v0.2 Persian Localize]
1158 \eqcommand{ }{autofootnoterule}
1159 \eqcommand{ }{AutoMathDigits}
1160 \eqcommand{ }{DefaultMathDigits}
1161 \eqcommand{ @ }{keyval@eq@alias@key}
1162 \eqcommand{ }{deflatinfont}
1163 \eqcommand{ }{defpersianfont}
1164 \eqcommand{ }{hboxL}
1165 \eqcommand{ }{hboxR}
1166 \eqcommand{ }{Latincite}
1167 \eqcommand{ }{latinfont}
1168 \eqcommand{ }{latintoday}
1169 \eqcommand{ }{leftfootnoterule}
1170 \eqcommand{ }{lr}
1171 \eqcommand{ }{LRE}
1172 \eqcommand{ }{LTRdblcol}
1173 \eqcommand{ }{LTRfootnote}
1174 \eqcommand{ }{LTRfootnotetext}
1175 \eqcommand{ }{LTRthanks}
1176 \eqcommand{ }{persianday}
1177 \eqcommand{ }{persianfont}
1178 \eqcommand{ }{PersianMathDigits}
1179 \eqcommand{ }{persianmonth}
1180 \eqcommand{ }{persianyear}
1181 \eqcommand{ }{plq}
1182 \eqcommand{ }{prq}
1183 \eqcommand{ }{rightfootnoterule}
1184 \eqcommand{ }{rl}
1185 \eqcommand{ }{RLE}
1186 \eqcommand{ }{RTLdblcol}
1187 \eqcommand{ }{RTLfootnote}
1188 \eqcommand{ }{RTLfootnotetext}
1189 \eqcommand{ }{RTLthanks}
1190 \eqcommand{@ }{@SepMark}
1191 \eqcommand{ }{SepMark}
1192 \eqcommand{ }{setdefaultbibitems}
1193 \eqcommand{ }{setdefaultmarginpar}
1194 \eqcommand{ }{setmathdigitfont}
1195 \eqcommand{ }{setfootnoteLR}
1196 \eqcommand{ }{setfootnoteRL}
1197 \eqcommand{ }{setlatintextfont}
1198 \eqcommand{ }{setLTR}
1199 \eqcommand{ }{setLTRbibitems}
1200 \eqcommand{ }{setLTRmarginpar}
1201 \eqcommand{ }{setRTL}
1202 \eqcommand{ }{setRTLbibitems}
1203 \eqcommand{ }{setRTLmarginpar}
1204 \eqcommand{ }{settextfont}
1205 \eqcommand{ }{textwidthfootnoterule}
1206 \eqcommand{ }{twocolumnstableofcontents}
```



```

1207 \eqcommand{      }{\unsetfootnoteRL}
1208 \eqcommand{      }{\unsetLTR}
1209 \eqcommand{      }{\unsetRTL}
1210 \eqcommand{      }{\vboxL}
1211 \eqcommand{      }{\vboxR}
1212 \eqcommand{      }{\XeLaTeX}
1213 \eqcommand{      }{\XePersian}
1214 \eqcommand{      }{\xepersianversion}
1215 \eqcommand{      }{\xepersiandate}
1216 \eqcommand{      }{\XeTeX}

```

## 23 File enumerate-xetex-xepersian.def

```

1217 \ProvidesFile{enumerate-xetex-xepersian.def}[2010/07/25 v0.1 xepersian adaptations for enumer
1218 \def\@enloop@{%
1219 \ifx entemp@      \def\@tempa{\@enLabel\harfi } \else
1220 \ifx entemp@      \def\@tempa{\@enLabel\adadi } \else
1221 \ifx entemp@      \def\@tempa{\@enLabel\tartibi } \else
1222 \ifx A\@entemp    \def\@tempa{\@enLabel\Alph } \else
1223 \ifx a\@entemp    \def\@tempa{\@enLabel\alph } \else
1224 \ifx i\@entemp    \def\@tempa{\@enLabel\roman } \else
1225 \ifx I\@entemp    \def\@tempa{\@enLabel\Roman } \else
1226 \ifx 1\@entemp    \def\@tempa{\@enLabel\arabic} \else
1227 \ifx \@sptoken\@entemp \let\@tempa\@enSpace      \else
1228 \ifx \bgroup\@entemp  \let\@tempa\@enGroup      \else
1229 \ifx \@enum@\@entemp  \let\@tempa\@gobble      \else
1230                      \let\@tempa\@enOther
1231                      \@enhook
1232                      \fi\fi\fi\fi\fi\fi\fi\fi\fi\fi\fi\fi\fi\fi\fi\fi\fi\fi\fi\fi\fi\fi
1233 \@tempa}

```

## 24 File enumitem-xetex-xepersian.def

```

1234 \ProvidesFile{enumitem-xetex-xepersian.def}[2017/09/06 v0.1 xepersian adaptations for enumitem
1235 \AddEnumerateCounter*\tartibi\@tartibi{999999999}
1236 \AddEnumerateCounter*\adadi\@adadi{999999999}
1237 \AddEnumerateCounter\harfi\@harfi{ }
1238 \AddEnumerateCounter\Abjad\@Abjad{ }
1239 \AddEnumerateCounter\abjad\@abjad{ }
1240 \SetEnumerateShortLabel{ }{\tartibi*}
1241 \SetEnumerateShortLabel{ }{\adadi*}
1242 \SetEnumerateShortLabel{ }{\harfi*}
1243 \SetEnumerateShortLabel{ }{\Abjad*}
1244 \SetEnumerateShortLabel{ }{\abjad*}

```

## 25 File latex-localize-environments-xetex-xepersian.def

```

1245 \ProvidesFile{latex-localize-environments-xetex-xepersian.def}[2022/06/06 v0.3 Persian localiz
1246 \eqenvironment{   }{abstract}
1247 \eqenvironment{   }{appendix}
1248 \eqenvironment{   }{array}
1249 \eqenvironment{   }{center}
1250 \eqenvironment{   }{description}
1251 \eqenvironment{   }{displaymath}

```



```

1252 \EqEnvironment{   }{document}
1253 \eqenvironment{   }{enumerate}
1254 \eqenvironment{   }{figure}
1255 \eqenvironment{ *}{figure*}
1256 \eqenvironment{   }{filecontents}
1257 \eqenvironment{   *}{filecontents*}
1258 \eqenvironment{   }{flushleft}
1259 \eqenvironment{   }{flushright}
1260 \eqenvironment{   }{itemize}
1261 \eqenvironment{   }{letter}
1262 \eqenvironment{   }{list}
1263 \eqenvironment{   }{longtable}
1264 \eqenvironment{   }{lrbox}
1265 \eqenvironment{   }{math}
1266 \eqenvironment{   }{matrix}
1267 \eqenvironment{   }{minipage}
1268 \eqenvironment{   }{multline}
1269 \eqenvironment{   }{note}
1270 \eqenvironment{   }{overlay}
1271 \eqenvironment{   }{picture}
1272 \eqenvironment{   }{quotation}
1273 \eqenvironment{   }{quote}
1274 \eqenvironment{   }{slide}
1275 \eqenvironment{   }{sloppypar}
1276 \eqenvironment{   }{split}
1277 \eqenvironment{   }{subarray}
1278 \eqenvironment{   }{tabbing}
1279 \eqenvironment{   }{table}
1280 \eqenvironment{ *}{table*}
1281 \eqenvironment{   }{tabular}
1282 \eqenvironment{ *}{tabular*}
1283 \eqenvironment{   }{thebibliography}
1284 \eqenvironment{   }{theindex}
1285 \eqenvironment{   }{titlepage}
1286 \eqenvironment{   }{trivlist}
1287 \eqenvironment{   }{verse}

```

## 26 File `xepersian-localize-environments-xetex-xepersian.def`

```

1288 \ProvidesFile{xepersian-localize-environments-xetex-xepersian.def}[2010/07/25 v0.1 Persian 1
1289 \eqenvironment{   }{latin}
1290 \eqenvironment{   }{LTR}
1291 \eqenvironment{   }{LTRitems}
1292 \eqenvironment{   }{modernpoem}
1293 \eqenvironment{ *}{modernpoem*}
1294 \eqenvironment{   }{persian}
1295 \eqenvironment{   }{RTL}
1296 \eqenvironment{   }{RTLitems}
1297 \eqenvironment{   }{traditionalpoem}
1298 \eqenvironment{ *}{traditionalpoem*}

```

## 27 File `extarticle-xetex-xepersian.def`

```

1299 \ProvidesFile{extarticle-xetex-xepersian.def}[2010/07/25 v0.1 xepersian adaptations for extar

```



```

1300 \renewcommand\thepart          {\@tartibi\c@part}
1301 \renewcommand\appendix{\par
1302   \setcounter{section}{0}%
1303   \setcounter{subsection}{0}%
1304   \gdef\thesection{\@harfi\c@section}}

```

## 28 File extbook-xetex-xepersian.def

```

1305 \ProvidesFile{extbook-xetex-xepersian.def}[2010/07/25 v0.1 xepersian adaptations for extbook]
1306 \renewcommand\frontmatter{%
1307   \cleardoublepage
1308   \@mainmatterfalse
1309   \pagenumbering{harfi}}
1310 \renewcommand \thepart {\@tartibi\c@part}
1311 \renewcommand\appendix{\par
1312   \setcounter{chapter}{0}%
1313   \setcounter{section}{0}%
1314   \gdef\@chapapp{\appendixname}%
1315   \gdef\thechapter{\@harfi\c@chapter}
1316 }%end appendix

```

## 29 File extrafootnotefeatures-xetex-bidi-xetex-xepersian.def

```

1317 \ProvidesFile{extrafootnotefeatures-xetex-bidi-xetex-xepersian.def}[2012/01/01 v0.2 xepersian adaptations for extrafootnotefeatures]
1318 \renewcommand{\foottextfont}{\footnotesize\if@RTL@footnote\else\resetlatinfont\fi}
1319 \renewcommand{\LTRfoottextfont}{\footnotesize\resetlatinfont}
1320 \renewcommand{\RTLfoottextfont}{\footnotesize\setpersianfont}

```

## 30 File extreport-xetex-xepersian.def

```

1321 \ProvidesFile{extreport-xetex-xepersian.def}[2010/07/25 v0.1 xepersian adaptations for extreport]
1322 \renewcommand\thepart          {\@tartibi\c@part}
1323 \renewcommand\appendix{\par
1324   \setcounter{chapter}{0}%
1325   \setcounter{section}{0}%
1326   \gdef\@chapapp{\appendixname}%
1327   \gdef\thechapter{\@harfi\c@chapter}}

```

## 31 File fancyref-xetex-xepersian.def

```

1328 \ProvidesFile{fancyref-xetex-xepersian.def}[2018/09/29 v0.1 xepersian adaptations for fancyref]
1329 \renewcommand*\Frefchapname{\chaptername}
1330 \renewcommand*\Frefenumname{%
1331   \if@RTL
1332 %
1333   \else
1334     Item%
1335   \fi
1336 }
1337 \renewcommand*\Frefeqname{%
1338   \if@RTL
1339 %
1340   \else
1341     Equation%

```



```

1342 \fi
1343 }
1344 \renewcommand*{\Freffigname}{\figurename}
1345 \renewcommand*{\Freffnname}{%
1346 \if@RTL
1347 %
1348 \else
1349 Footnote%
1350 \fi
1351 }
1352 \renewcommand*{\Frefonname}{%
1353 \if@RTL
1354 %
1355 \else
1356 On%
1357 \fi
1358 }
1359 \renewcommand*{\Frefpgname}{\pagename}
1360 \renewcommand*{\Frefsecname}{%
1361 \if@RTL
1362 %
1363 \else
1364 Section%
1365 \fi
1366 }
1367 \renewcommand*{\Frefseename}{%
1368 \if@RTL
1369 %
1370 \else
1371 See%
1372 \fi
1373 }
1374 \renewcommand*{\Frefstabname}{\tablename}
1375 \renewcommand*{\Freffigshortname}{%
1376 \if@RTL
1377 \Freffigname
1378 \else
1379 Fig.%
1380 \fi
1381 }
1382 \renewcommand*{\Frefpgshortname}{%
1383 \if@RTL
1384 \Frefpgname
1385 \else
1386 P.%
1387 \fi
1388 }
1389 \renewcommand*{\Frefstabshortname}{%
1390 \if@RTL
1391 \tablename
1392 \else
1393 Tab.%
1394 \fi
1395 }

```



```

1396 \renewcommand*{\frefchapname}{%
1397   \if@RTL
1398     \Frefchapname
1399   \else
1400     \MakeLowercase{\Frefchapname}%
1401 \fi
1402 }
1403 \renewcommand*{\frefenumname}{%
1404   \if@RTL
1405     \Frefenumname
1406   \else
1407     \MakeLowercase{\Frefenumname}%
1408 \fi
1409 }
1410 \renewcommand*{\frefeqname}{%
1411   \if@RTL
1412     \Frefeqname
1413   \else
1414     \MakeLowercase{\Frefeqname}%
1415 \fi
1416 }
1417 \renewcommand*{\freffigname}{%
1418   \if@RTL
1419     \Freffigname
1420   \else
1421     \MakeLowercase{\Freffigname}%
1422 \fi
1423 }
1424 \renewcommand*{\freffnname}{%
1425   \if@RTL
1426     \Freffnname
1427   \else
1428     \MakeLowercase{\Freffnname}%
1429 \fi
1430 }
1431 \renewcommand*{\frefonname}{%
1432   \if@RTL
1433     \Frefonname
1434   \else
1435     \MakeLowercase{\Frefonname}%
1436 \fi
1437 }
1438 \renewcommand*{\frefpgname}{%
1439   \if@RTL
1440     \Frefpgname
1441   \else
1442     \MakeLowercase{\Frefpgname}%
1443 \fi
1444 }
1445 \renewcommand*{\frefsecname}{%
1446   \if@RTL
1447     \Frefsecname
1448   \else
1449     \MakeLowercase{\Frefsecname}%

```



```

1450 \fi
1451 }
1452 \renewcommand*{\frefseename}{%
1453 \if@RTL
1454 \Frefseename
1455 \else
1456 \MakeLowercase{\Frefseename}%
1457 \fi
1458 }
1459 \renewcommand*{\frefstabname}{%
1460 \if@RTL
1461 \Frefstabname
1462 \else
1463 \MakeLowercase{\Frefstabname}%
1464 \fi
1465 }
1466 \renewcommand*{\freffigshortname}{%
1467 \if@RTL
1468 \Freffigshortname
1469 \else
1470 \MakeLowercase{\Freffigshortname}%
1471 \fi
1472 }
1473 \renewcommand*{\frefpgshortname}{%
1474 \if@RTL
1475 \Frefpgshortname
1476 \else
1477 \MakeLowercase{\Frefpgshortname}%
1478 \fi
1479 }
1480 \renewcommand*{\frefstabshortname}{%
1481 \if@RTL
1482 \Frefstabshortname
1483 \else
1484 \MakeLowercase{\Frefstabshortname}%
1485 \fi
1486 }

```

### 32 File footnote-xetex-bidi-xetex-xepersian.def

```

1487 \ProvidesFile{footnote-xetex-bidi-xetex-xepersian.def}[2017/08/09 v0.6 xepersian adaptations
1488
1489 \renewcommand*{\bidi@footnotetext@font}{\footnotesize\if@RTL@footnote\else\resetlatinfont\fi}
1490
1491 \renewcommand*{\bidi@LTRfootnotetext@font}{\footnotesize\resetlatinfont}
1492
1493 \renewcommand*{\bidi@RTLfootnotetext@font}{\footnotesize\setpersianfont}
1494

```

### 33 File framed-xetex-xepersian.def

```

1495 \ProvidesFile{framed-xetex-xepersian.def}[2012/06/05 v0.1 xepersian adaptations for framed p
1496 \renewenvironment{titled-frame}[1]{%
1497 \def\FrameCommand{\fboxsep8pt\fboxrule2pt

```





```

1498   \TitleBarFrame{\textbf{#1}}}%
1499 \def\FirstFrameCommand{\fboxsep8pt\fboxrule2pt
1500   \TitleBarFrame[$\if@RTL\blacktriangleleft\else\blacktriangleright\fi$]{\textbf{#1}}}%
1501 \def\MidFrameCommand{\fboxsep8pt\fboxrule2pt
1502   \TitleBarFrame[$\if@RTL\blacktriangleleft\else\blacktriangleright\fi$]{\textbf{#1}\ (\if@
1503 \def\LastFrameCommand{\fboxsep8pt\fboxrule2pt
1504   \TitleBarFrame{\textbf{#1}\ (\if@RTL else\ cont\fi)}}}%
1505 \MakeFramed{\advance\hsize-20pt \FrameRestore}}%
1506 % note: 8 + 2 + 8 + 2 = 20. Don't use \width because the frame title
1507 % could interfere with the width measurement.
1508 {\endMakeFramed}

```

### 34 File glossaries-xetex-xepersian.def

```

1509 \ProvidesFile{glossaries-xetex-xepersian.def}[2014/09/04 v0.4 xepersian adaptations for gloss
1510 \glsaddprotectedpagefmt{@harfi}
1511 \glsaddprotectedpagefmt{@tartibi}
1512 \glsaddprotectedpagefmt{@adadi}

```

### 35 File hyperref-xetex-xepersian.def

```

1513 \ProvidesFile{hyperref-xetex-xepersian.def}[2022/10/30 v0.8 xepersian adaptations for hyperre
1514 \def\equationautorefname{\if@RTL else\ Equation\fi}%
1515 \def\footnoteautorefname{\if@RTL else\ footnote\fi}%
1516 \def\itemautorefname{\if@RTL else\ item\fi}%
1517 \def\figureautorefname{\if@RTL else\ Figure\fi}%
1518 \def\tableautorefname{\if@RTL else\ Table\fi}%
1519 \def\partautorefname{\if@RTL else\ Part\fi}%
1520 \def\appendixautorefname{\if@RTL else\ Appendix\fi}%
1521 \def\chapterautorefname{\if@RTL else\ chapter\fi}%
1522 \def\sectionautorefname{\if@RTL else\ section\fi}%
1523 \def\subsectionautorefname{\if@RTL else\ subsection\fi}%
1524 \def\subsubsectionautorefname{\if@RTL else\ subsubsection\fi}%
1525 \def\paragraphautorefname{\if@RTL else\ paragraph\fi}%
1526 \def\subparagraphautorefname{\if@RTL else\ subparagraph\fi}%
1527 \def\FancyVerbLineautorefname{\if@RTL else\ line\fi}%
1528 \def\theoremautorefname{\if@RTL else\ Theorem\fi}%
1529 \def\pageautorefname{\if@RTL else\ page\fi}%
1530 \ifHy@implicit
1531 \AtBeginDocument{%
1532   \let\HyOrg@appendix\appendix
1533   \def\appendix{%
1534     \ltx@ifundefined{chapter}%
1535     {\gdef\theHsection{\Alph{section}}}%
1536     {\gdef\theHchapter{\Alph{chapter}}}%
1537     \xdef\Hy@chapapp{\Hy@appendixstring}%
1538     \HyOrg@appendix
1539   }%
1540 }%
1541 \fi
1542 \pdfstringdefDisableCommands{%
1543   \let\lr@firstofone
1544   \let\rl@firstofone
1545   \def\XePersian{XePersian}%

```



```

1546 }
1547 \ltx@ifundefined{@resets@pp}{%
1548 }{%
1549   \let\HyOrg@resets@pp\@resets@pp
1550   \def\@resets@pp{%
1551     \ltx@ifundefined{chapter}{%
1552       \gdef\theHsection{\Hy@AlphNoErr{section}}%
1553     }{%
1554       \gdef\theHchapter{\Hy@AlphNoErr{chapter}}%
1555     }%
1556     \xdef\Hy@chapapp{\Hy@appendixstring}%
1557     \HyOrg@resets@pp
1558   }%
1559 }

```

### 36 File `imsproc-xetex-xepersian.def`

```

1560 \ProvidesFile{imsproc-xetex-xepersian.def}[2017/06/09 v0.5 xepersian adaptations for imsproc
1561
1562 \renewcommand \thepart {\@tartibi\c@part}
1563 \def\appendix{\par\c@section\z@ \c@subsection\z@
1564   \let\sectionname\appendixname
1565   \def\thesection{\@harfi\c@section}}
1566

```

### 37 File `kashida-xetex-xepersian.def`

```

1567 \ProvidesFile{kashida-xetex-xepersian.def}[2024/12/20 v1.0 implementation of Kashida for XeT
1568 \chardef\xepersian@zwj="200D % zero-width joiner
1569 \chardef\xepersian@kashidachar="0640 % kashida
1570
1571 \chardef\xepersian@dualjoiner=10 % dual-joiner class
1572 \chardef\xepersian@lam=11 % lam
1573 \chardef\xepersian@rightjoiner=12 % right-joiner
1574 \chardef\xepersian@alef=13 % alef
1575 \chardef\xepersian@vowel=4096 % vowel or other combining mark (to be ignored)
1576 \newif\if@Kashida@on
1577 \def\xepersian@kashida{%
1578   \if@Kashida@on
1579     \xepersian@zwj
1580     \nobreak
1581     \leaders\hrule height \XeTeXglyphbounds\tw@
1582     \the\XeTeXcharglyph\xepersian@kashidachar
1583     depth \XeTeXglyphbounds\four
1584     \the\XeTeXcharglyph\xepersian@kashidachar
1585     \hskip0pt plus 0.5em
1586     \xepersian@zwj
1587   \fi
1588 }
1589
1590 \def\setclass#1#2{\def\theclass{#1}\def\charlist{#2}%
1591   \expandafter\dosetclass\charlist,\end}
1592 \def\dosetclass#1,#2\end{%
1593   \def\test{#1}\def\charlist{#2}%

```



```

1594 \ifx\test\empty\let\next\finishsetclass
1595 \else \XeTeXcharclass "\test = \theclass
1596 \let\next\dosetclass \fi
1597 \expandafter\next\charlist,,\end}
1598 \def\finishsetclass#1,,\end{}
1599
1600 \setclass \xepersian@alef {0622,0623,0625,0627}
1601 \setclass \xepersian@rightjoiner {0624,0629,062F,0630,0631,0632,0648,0698}
1602 \setclass \xepersian@dualjoiner {0626,0628,062A,062B,062C,062D,062E}
1603 \setclass \xepersian@dualjoiner {0633,0634,0635,0636,0637,0638,0639,063A}
1604 \setclass \xepersian@dualjoiner {0640,0641,0642,0643,0645,0646,0647,0649,064A}
1605 \setclass \xepersian@dualjoiner {067E,0686,06A9,06AF,06CC}
1606 \setclass \xepersian@lam {0644}
1607 \setclass \xepersian@vowel {064B,064C,064D,064E,064F,0650,0651,0652}
1608
1609 \XeTeXinterchartoks \xepersian@dualjoiner \xepersian@dualjoiner = {\xepersian@kashida}
1610 \XeTeXinterchartoks \xepersian@lam \xepersian@dualjoiner = {\xepersian@kashida}
1611 \XeTeXinterchartoks \xepersian@dualjoiner \xepersian@lam = {\xepersian@kashida}
1612 \XeTeXinterchartoks \xepersian@lam \xepersian@lam = {\xepersian@kashida}
1613 \XeTeXinterchartoks \xepersian@dualjoiner \xepersian@rightjoiner = {\xepersian@kashida}
1614 \XeTeXinterchartoks \xepersian@dualjoiner \xepersian@alef = {\xepersian@kashida}
1615 \XeTeXinterchartoks \xepersian@lam \xepersian@rightjoiner = {\xepersian@kashida}
1616 \XeTeXinterchartoks \xepersian@lam \xepersian@alef = {}
1617
1618 \newcommand{\KashidaOn}{\@Kashida@ontrue}
1619 \newcommand{\KashidaOff}{\@Kashida@onfalse}
1620
1621 \KashidaOn

```

## 38 File listings-xetex-xepersian.def

```

1622 \ProvidesFile{listings-xetex-xepersian.def}[2014/07/17 v0.3 xepersian adaptations for listings]
1623 \def\lstlistingname{\if@RTL else\ Listing\fi}
1624 \def\lstlistlistingname{\if@RTL else\ Listings\fi}

```

## 39 File localize-xetex-xepersian.def

```

1625 \ProvidesFile{localize-xetex-xepersian.def}[2025/01/06 v0.2e Persian localization of LaTeX2e]
1626 \newcommand{\makezwnjletter}{\catcode`=11\relax}
1627 \makezwnjletter
1628 \newcommand*{\eqcommand}[2]{\if@bidi@csprimitive{#2}{\bidi@csletcs{#1}{#2}}{\bidi@csdefcs{#1}{#2}}}%
1629 \newcommand*{\eqenvironment}[2]{\newenvironment{#1}{%
1630 \if@bidi@csdef{verbatim@}{\let\verbatim@\xepersian@localize@verbatim@}{\csname#2\endcsname}}%
1631 \newcommand*{\EqEnvironment}[2]{%
1632 \expandafter\let\csname #1\expandafter\endcsname\csname #2\endcsname
1633 \expandafter\let\csname end#1\expandafter\endcsname\csname end#2\endcsname
1634 }
1635 \newcommand*\keyval@eq@alias@key[4][KV]{%
1636 \bidi@csletcs{#1@#2@#3}{#1@#2@#4}%
1637 \bidi@csletcs{#1@#2@#3@default}{#1@#2@#4@default}%
1638 }
1639 \input{latex-localize-commands-xetex-xepersian.def}
1640 \input{xepersian-localize-commands-xetex-xepersian.def}
1641 \input{latex-localize-environments-xetex-xepersian.def}

```



```

1642 \input{xepersian-localize-environments-xetex-xepersian.def}
1643 \input{latex-localize-messages-xetex-xepersian.def}
1644 \input{latex-localize-misc-xetex-xepersian.def}
1645 \input{packages-localize-xetex-xepersian.def}
1646 \aliasfontfeature{ExternalLocation}{ }
1647 \aliasfontfeature{Path}{ }
1648 \aliasfontfeature{Renderer}{ }
1649 \aliasfontfeature{BoldFont}{ }
1650 \aliasfontfeature{Language}{ }
1651 \aliasfontfeature{Script}{ }
1652 \aliasfontfeature{UprightFont}{ }
1653 \aliasfontfeature{ItalicFont}{ }
1654 \aliasfontfeature{BoldItalicFont}{ }
1655 \aliasfontfeature{SlantedFont}{ }
1656 \aliasfontfeature{BoldSlantedFont}{ }
1657 \aliasfontfeature{SmallCapsFont}{ }
1658 \aliasfontfeature{UprightFeatures}{ }
1659 \aliasfontfeature{BoldFeatures}{ }
1660 \aliasfontfeature{ItalicFeatures}{ }
1661 \aliasfontfeature{BoldItalicFeatures}{ }
1662 \aliasfontfeature{SlantedFeatures}{ }
1663 \aliasfontfeature{BoldSlantedFeatures}{ }
1664 \aliasfontfeature{SmallCapsFeatures}{ }
1665 \aliasfontfeature{SizeFeatures}{ }
1666 \aliasfontfeature{Scale}{ }
1667 \aliasfontfeature{WordSpace}{ }
1668 \aliasfontfeature{PunctuationSpace}{ }
1669 \aliasfontfeature{FontAdjustment}{ }
1670 \aliasfontfeature{LetterSpace}{ }
1671 \aliasfontfeature{HyphenChar}{ }
1672 \aliasfontfeature{Color}{ }
1673 \aliasfontfeature{Opacity}{ }
1674 \aliasfontfeature{Mapping}{ }
1675 \aliasfontfeature{Weight}{ }
1676 \aliasfontfeature{Width}{ }
1677 \aliasfontfeature{OpticalSize}{ }
1678 \aliasfontfeature{FakeSlant}{ }
1679 \aliasfontfeature{FakeStretch}{ }
1680 \aliasfontfeature{FakeBold}{ }
1681 \aliasfontfeature{AutoFakeSlant}{ }
1682 \aliasfontfeature{AutoFakeBold}{ }
1683 \aliasfontfeature{Ligatures}{ }
1684 \aliasfontfeature{Alternate}{ }
1685 \aliasfontfeature{Variant}{ }
1686 \aliasfontfeature{Variant}{ }
1687 \aliasfontfeature{CharacterVariant}{ }
1688 \aliasfontfeature{Style}{ }
1689 \aliasfontfeature{Annotation}{ }
1690 \aliasfontfeature{RawFeature}{ }
1691 \aliasfontfeature{CharacterWidth}{ }
1692 \aliasfontfeature{Numbers}{ }
1693 \aliasfontfeature{Contextuals}{ }
1694 \aliasfontfeature{Diacritics}{ }
1695 \aliasfontfeature{Letters}{ }

```



```

1696 \aliasfontfeature{Kerning}{ }
1697 \aliasfontfeature{VerticalPosition}{ }
1698 \aliasfontfeature{Fractions}{ }
1699 \aliasfontfeatureoption{Language}{Default}{ }
1700 \aliasfontfeatureoption{Language}{Persian}{ }
1701 \aliasfontfeatureoption{Script}{Persian}{ }
1702 \aliasfontfeatureoption{Script}{Latin}{ }
1703 \aliasfontfeatureoption{Style}{MathScript}{ }
1704 \aliasfontfeatureoption{Style}{MathScriptScript}{ }

```

## 40 File memoir-xetex-xepersian.def

```

1705 \ProvidesFile{memoir-xetex-xepersian.def}[2010/07/25 v0.1 xepersian adaptations for memoir class]
1706 \renewcommand{\@memfront}{%
1707   \@smemfront\pagenumbering{harfi}}
1708 \renewcommand{\setthesection}{\thechapter\@SepMark\harfi{section}}
1709 \renewcommand*{\thebook}{\@tartibi\c@book}
1710 \renewcommand*{\thepart}{\@tartibi\c@part}
1711 \renewcommand{\appendix}{\par
1712   \setcounter{chapter}{0}%
1713   \setcounter{section}{0}%
1714   \gdef\@chapapp{\appendixname}%
1715   \gdef\thechapter{\@harfi\c@chapter}%
1716   \anappendixtrue}

```

## 41 File latex-localize-messages-xetex-xepersian.def

```

1717 latex} \-localize-messages-xetex-xepersian.def}[2011/03/01 v0.1 localizing LaTeX2e messages]

```

## 42 File minitoc-xetex-xepersian.def

```

1718 \ProvidesFile{minitoc-xetex-xepersian.def}[2010/07/25 v0.1 xepersian adaptations for minitoc class]
1719 \def\ptctitle{\if@RTL else\ Table of Contents\fi}%
1720 \def\plftitle{\if@RTL else\ List of Figures\fi}%
1721 \def\pltttitle{\if@RTL else\ List of Tables\fi}%
1722 \def\mtctitle{\if@RTL else\ Contents\fi}%
1723 \def\mlfttitle{\if@RTL else\ Figures\fi}%
1724 \def\mltttitle{\if@RTL else\ Tables\fi}%
1725 \def\stctitle{\if@RTL else\ Contents\fi}%
1726 \def\slfttitle{\if@RTL else\ Figures\fi}%
1727 \def\sltttitle{\if@RTL else\ Tables\fi}%

```

## 43 File latex-localize-misc-xetex-xepersian.def

```

1728 \ProvidesFile{latex-localize-misc-xetex-xepersian.def}[2025/01/03 v0.3 miscellaneous Persian]
1729 %}1# \ \
1730 \@ \ @ \ \
1731 \1# \
1732 \1# @\
1733 \1# @\
1734 {@ \ \
1735 %}2#1# @\ \
1736 %1# \ @\ \ \ \ \
1737 \2# \ @\ \

```



```

1738 {{2#1# \}
1739 undefined\ \ \
1740
1741 %{ \ \ \ \ \1#} \ \} \1# \ \
1742 \ { \ \ \ \
1743 \ \ \
1744
1745
1746 \ \ \ \%} \#1
1747 \1#} \ \ \% \
1748 \ \ \ \ \
1749 }%
1750 \
1751 \ \ \ \
1752 }
1753 \= \ \
1754
1755
1756 \ApplyPatchCodeToFile{latex-xetex-bidi}{%
1757 \def\xfloat #1[#2]{%
1758 \nodocument
1759 \def \@capttype {#1}%
1760 \def \@fps {#2}%
1761 \@onelevel@sanitize \@fps
1762 \def \reserved@b {!}%
1763 \ifx \reserved@b \@fps
1764 \@fpsaddddefault
1765 \else
1766 \ifx \@fps \@empty
1767 \@fpsaddddefault
1768 \fi
1769 \fi
1770 \ifhmode
1771 \@bsphack
1772 \@floatpenalty -\@Mii
1773 \else
1774 \@floatpenalty-\@Miii
1775 \fi
1776 \ifinner
1777 \@parmoderr\@floatpenalty\z@
1778 \else
1779 \@next\@currbox\@freelist
1780 {%
1781 \@tempcnta \sixt@@n
1782 \expandafter \@tfor \expandafter \reserved@a
1783 \expandafter :\expandafter =\@fps
1784 \do
1785 {%
1786 \if \reserved@a h%
1787 \ifodd \@tempcnta
1788 \else
1789 \advance \@tempcnta \@ne
1790 \fi
1791 \fi

```



```

1792         \if \reserved@a %
1793             \ifodd \@tempcnta
1794             \else
1795                 \advance \@tempcnta \@ne
1796             \fi
1797         \fi
1798         \if \reserved@a t%
1799             \@setfpsbit \tw@
1800         \fi
1801         \if \reserved@a %
1802             \@setfpsbit \tw@
1803         \fi
1804         \if \reserved@a b%
1805             \@setfpsbit 4%
1806         \fi
1807         \if \reserved@a %
1808             \@setfpsbit 4%
1809         \fi
1810         \if \reserved@a p%
1811             \@setfpsbit 8%
1812         \fi
1813         \if \reserved@a %
1814             \@setfpsbit 8%
1815         \fi
1816         \if \reserved@a !%
1817             \ifnum \@tempcnta>15
1818                 \advance\@tempcnta -\sixt@@n\relax
1819             \fi
1820         \fi
1821     }%
1822     \@tempcntb \csname ftype@\@capttype \endcsname
1823     \multiply \@tempcntb \@xxxii
1824     \advance \@tempcnta \@tempcntb
1825     \global \count\@currbox \@tempcnta
1826     }%
1827     \@fltovf
1828 \fi
1829 \global \setbox\@currbox
1830 \color@vbox
1831 \normalcolor
1832 \vbox \bgroup
1833 \hsize\columnwidth
1834 \@parboxrestore
1835 \@floatboxreset
1836 }
1837 \let\bm@ \bm@c
1838 \let\bm@ \bm@l
1839 \let\bm@ \bm@r
1840 \let\bm@ \bm@b
1841 \let\bm@ \bm@t
1842 \let\bm@ \bm@s
1843 \long\def\@iiiparbox#1#2[#3]#4#5{%
1844     \leavevmode
1845     \@pboxswfalse

```



```

1846 \ifhboxRconstruct\@bidi@list@minipage@parbox@not@nobtrue\fi
1847 \ifRTL\if#1t\@bidi@list@minipage@parboxtrue\else\if#1b\@bidi@list@minipage@parboxtrue\else
1848 \setlength\@tempdima{#4}%
1849 \@begin@tempboxa\vbox{\hsize\@tempdima\@parboxrestore#5\@par}%
1850 \ifx\relax#2\else
1851 \setlength\@tempdimb{#2}%
1852 \edef\@parboxto{to\the\@tempdimb}%
1853 \fi
1854 \if#1b\vbox
1855 \else\if#1\vbox
1856 \else\if #1t\vtop
1857 \else\if vtop #1
1858 \else\ifmode\vcenter
1859 \else\@pboxswtrue $\vcenter
1860 \fi\fi\fi\fi\fi
1861 \@parboxto{\let\hss\vss\let\unhbox\unvbox
1862 \csname bm@#3\endcsname}%
1863 \if@pboxsw \m@th$\fi
1864 \@end@tempboxa}
1865 \def\@iiiminipage#1#2[#3]#4{%
1866 \leavevmode
1867 \@pboxswfalse
1868 \ifhboxRconstruct\@bidi@list@minipage@parbox@not@nobtrue\fi
1869 \ifRTL\if#1t\@bidi@list@minipage@parboxtrue\else\if#1b\@bidi@list@minipage@parboxtrue\else
1870 \setlength\@tempdima{#4}%
1871 \def\@mpargs{#1}#2[#3]#4}%
1872 \setbox\@tempboxa\vbox\bgroup
1873 \color@begingroup
1874 \hsize\@tempdima
1875 \textwidth\hsize \columnwidth\hsize
1876 \@parboxrestore
1877 \def\@mpfn{mpfootnote}\def\thempfn{\thempfootnote}\c@mpfootnote\z@
1878 \let\@footnotetext\@mpfootnotetext
1879 \let\@LTRfootnotetext\@mpLTRfootnotetext
1880 \let\@RTLfootnotetext\@mpRTLfootnotetext
1881 \let\@listdepth\@mplistdepth \@mplistdepth\z@
1882 \@minipagerestore
1883 \@setminipage}
1884 \def\@testpach#1{\@chclass \ifnum \@lastchclass=\tw@ 4 \else
1885 \ifnum \@lastchclass=3 5 \else
1886 \z@ \if #1c\@chnum \z@ \else
1887 \if chnum@ \#1 \z@ \else
1888 \if \if@RTLtab#1r\else#1l\fi\@chnum \@ne \else
1889 \if \if@RTLtab#1 \else#1 \fi\@chnum \@ne \else
1890 \if \if@RTLtab#1l\else#1r\fi\@chnum \tw@ \else
1891 \if \if@RTLtab#1 \else#1 \fi\@chnum \tw@ \else
1892 \@chclass \if #1|\@ne \else
1893 \if #1@\tw@ \else
1894 \if #1p3 \else
1895 \if 3 #1 \else \z@ \@preamerr 0\fi
1896 \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi
1897 \fi}%
1898 }
1899 \ApplyPatchCodeToFile{array-xetex-bidi}{%

```





```

1900 \def\@testpach{\@chclass
1901 \ifnum \@lastchclass=6 \@ne \@chnum \@ne \else
1902 \ifnum \@lastchclass=7 5 \else
1903 \ifnum \@lastchclass=8 \tw@ \else
1904 \ifnum \@lastchclass=9 \thr@@
1905 \else \z@
1906 \ifnum \@lastchclass = 10 \else
1907 \edef\@nextchar{\expandafter\string\@nextchar}%
1908 \@chnum
1909 \if \@nextchar c\z@ \else
1910 \if \@nextchar @z\ \else
1911 \if \@nextchar \if@RTLtab r\else l\fi\@ne \else
1912 \if \@nextchar \if@RTLtab else\ fi\@ne\ \else
1913 \if \@nextchar \if@RTLtab l\else r\fi\tw@ \else
1914 \if \@nextchar \if@RTLtab else\ @fi\tw\ \else
1915 \z@ \@chclass
1916 \if\@nextchar |\@ne \else
1917 \if \@nextchar !6 \else
1918 \if \@nextchar @7 \else
1919 \if \@nextchar <8 \else
1920 \if \@nextchar >9 \else
1921 10
1922 \@chnum
1923 \if \@nextchar m\thr@@\else
1924 \if \@nextchar thr@@\else\
1925 \if \@nextchar p4 \else
1926 \if \@nextchar 4 \else
1927 \if \@nextchar b5 \else
1928 \if \@nextchar 5 \else
1929 \z@ \@chclass \z@ \@preamerr \z@ \fi \fi \fi \fi \fi \fi \fi
1930 \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi}%
1931 }
1932 \ApplyPatchCodeToFile{arydshln-xetex-bidi}{
1933 \ifadl@usingarypkg
1934 \def\@testpach{\@chclass
1935 \ifnum \@lastchclass=6 \@ne \@chnum \@ne \else
1936 \ifnum \@lastchclass=7 5 \else
1937 \ifnum \@lastchclass=8 \tw@ \else
1938 \ifnum \@lastchclass=9 \thr@@
1939 \else \z@
1940 \ifnum \@lastchclass = 10 \else
1941 \edef\@nextchar{\expandafter\string\@nextchar}%
1942 \@chnum
1943 \if \@nextchar c\z@ \else
1944 \if \@nextchar @z\ \else
1945 \if \@nextchar \if@RTLtab r\else l\fi\@ne \else
1946 \if \@nextchar \if@RTLtab else\ fi\@ne\ \else
1947 \if \@nextchar \if@RTLtab l\else r\fi\tw@ \else
1948 \if \@nextchar \if@RTLtab else\ @fi\tw\ \else
1949 \z@ \@chclass
1950 \if\@nextchar |\@ne \let\@arrayrule\adl@arrayrule \else
1951 \if\@nextchar :\@ne \let\@arrayrule\adl@arraydashrule \else
1952 \if\@nextchar ;\@ne \let\@arrayrule\adl@argarraydashrule \else
1953 \if \@nextchar !6 \else

```



```

1954     \if \@nextchar @7 \else
1955     \if \@nextchar <8 \else
1956     \if \@nextchar >9 \else
1957     10
1958     \@chnum
1959     \if \@nextchar m\thr@@\else
1960     \if \@nextchar thr@@\else\
1961     \if \@nextchar p4 \else
1962     \if \@nextchar 4 \else
1963     \if \@nextchar b5 \else
1964     \if \@nextchar 5 \else
1965     \z@ \@chclass \z@ \@preamerr \z@ \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi
1966     \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi
1967
1968 \def\@classz{\@classx
1969   \@tempcnta \count@
1970   \prepnext@tok
1971   \@addtopreamble{\ifcase \@chnum
1972     \hfil
1973     \adl@putlrc{\d@llarbegin \insert@column \d@llarend}\hfil \or
1974     \hskip1sp\adl@putlrc{\d@llarbegin \insert@column \d@llarend}\hfil \or
1975     \hfil\hskip1sp\adl@putlrc{\d@llarbegin \insert@column \d@llarend}\or
1976     \setbox\adl@box\hbox \adl@startmbox{\@nextchar}\insert@column
1977     \adl@endmbox\or
1978     \setbox\adl@box\vtop \@startpbox{\@nextchar}\insert@column \@endpbox \or
1979     \setbox\adl@box\vbox \@startpbox{\@nextchar}\insert@column \@endpbox
1980     \fi}\prepnext@tok}
1981 \def\adl@class@start{4}
1982 \def\adl@class@iiiorvii{7}
1983
1984 \else
1985 \def\@testpach#1{\@chclass \ifnum \@lastchclass=\tw@ 4\relax \else
1986   \ifnum \@lastchclass=\thr@@ 5\relax \else
1987   \z@ \if #1c\@chnum \z@ \else
1988     \if @chnum\z@\ #1 \else
1989     \if \if@RTLtab#1r\else#1l\fi\@chnum \@ne \else
1990     \if \if@RTLtab#1 \else#1 \fi\@chnum \@ne \else
1991     \if \if@RTLtab#1l\else#1r\fi\@chnum \tw@ \else
1992     \if \if@RTLtab#1 \else#1 \fi\@chnum \tw@ \else
1993     \@chclass
1994     \if #1|\@ne \let\@arrayrule\adl@arrayrule \else
1995     \if #1:\@ne \let\@arrayrule\adl@arraydashrule \else
1996     \if #1;\@ne \let\@arrayrule\adl@argarraydashrule \else
1997     \if #1@\tw@ \else
1998     \if #1p\thr@@ \else
1999     \if @@thr\ #1 \else\z@ \@preamerr 0\fi
2000     \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi
2001
2002 \def\@arrayclassz{\ifcase \@lastchclass \@acolampacol \or \@ampacol \or
2003   \or \or \@addamp \or
2004   \@acolampacol \or \@firstampfalse \@acol \fi
2005   \edef\@preamble{\@preamble
2006     \ifcase \@chnum
2007     \hfil\adl@putlrc{\$}\relax\@sharp$\hfil

```





```

2062 }
2063 \ApplyPatchCodeToFile{float-xetex-bidi}{%
2064 \let\float@Hx\@xfloat
2065 \def\@xfloat#1[{\@ifnextchar{H}{\float@HH#1}]{\@ifnextchar{ }{\float@{1#} }{\float@Hx{#
2066 \def\@float@HH#1[H]{%
2067 \expandafter\let\csname end#1\endcsname\float@endH
2068 \let\@currbox\float@box
2069 \def\@capttype{#1}\setbox\@floatcapt=\vbox{}%
2070 \expandafter\ifx\csname fst@#1\endcsname\relax
2071 \@flstylefalse\else\@flstyletrue\fi
2072 \setbox\@currbox\color@vbox\normalcolor
2073 \vbox\bgroup \hsize\columnwidth \@parboxrestore
2074 \@floatboxreset \@setnobreak
2075 \ignorespaces}
2076 \def\@float@[ ]#1{%
2077 \expandafter\let\csname end#1\endcsname\float@endH
2078 \let\@currbox\float@box
2079 \def\@capttype{#1}\setbox\@floatcapt=\vbox{}%
2080 \expandafter\ifx\csname fst@#1\endcsname\relax
2081 \@flstylefalse\else\@flstyletrue\fi
2082 \setbox\@currbox\color@vbox\normalcolor
2083 \vbox\bgroup \hsize\columnwidth \@parboxrestore
2084 \@floatboxreset \@setnobreak
2085 \ignorespaces}
2086 }
2087 \begingroup \catcode `|=0 \catcode `|= 1
2088 \catcode`=2 \catcode `|=12 \catcode `|=12
2089 \catcode`|=12 |gdef|\@x@xepersian@localize@verbatim#1\[[ ] |1#{ }
2090 |gdef|\@sx@xepersian@localize@verbatim#1\[[* ] |1#{* }
2091 |endgroup
2092 \def\@frenchspacing{\@vobeyspaces \@x@xepersian@localize@verbatim}
2093 \def\endlist{\if@newlist \leavevmode\fi\endtrivlist}
2094 \ExplSyntaxOn
2095 \AtBeginDocument{\@namedef{#1}*\@verbatim \fontspec_print_visible_spaces: \@sx@xepersia
2096 \ExplSyntaxOff
2097 \expandafter\let\csname end#1\endcsname =\end

```

## 44 File natbib-xetex-xepersian.def

```

2098 \ProvidesFile{natbib-xetex-xepersian.def}[2011/08/01 v0.1 xepersian adaptations for natbib pa
2099 \renewcommand\NAT@set@cites{%
2100 \ifNAT@numbers
2101 \ifNAT@super \let\@cite\NAT@citesuper
2102 \def\NAT@mbox##1{\unskip\nobreak\textsuperscript{##1}}%
2103 \let\citeyearpar=\citeyear
2104 \let\NAT@space\relax
2105 \def\NAT@super@kern{\kern\p@}%
2106 \else
2107 \let\NAT@mbox=\mbox
2108 \let\@cite\NAT@citenum
2109 \let\NAT@space\NAT@spacechar
2110 \let\NAT@super@kern\relax
2111 \fi
2112 \let\@citex\NAT@citexnum

```



```

2113 \let\@Latincitex\NAT@Latin@citexnum
2114 \let\@biblabel\NAT@biblabelnum
2115 \let\@bibsetup\NAT@bibsetnum
2116 \renewcommand\NAT@idxtxt{\NAT@name\NAT@spacechar\NAT@open\NAT@num\NAT@close}%
2117 \def\natexlab##1{%
2118 \def\NAT@penalty{\penalty\@m}%
2119 \else
2120 \let\@cite\NAT@cite
2121 \let\@citex\NAT@citex
2122 \let\@Latincitex\NAT@Latin@citex
2123 \let\@biblabel\NAT@biblabel
2124 \let\@bibsetup\NAT@bibsetup
2125 \let\NAT@space\NAT@spacechar
2126 \let\NAT@penalty\@empty
2127 \renewcommand\NAT@idxtxt{\NAT@name\NAT@spacechar\NAT@open\NAT@date\NAT@close}%
2128 \def\natexlab##1{##1}%
2129 \fi}
2130 \newcommand\NAT@Latin@citex{}
2131 \def\NAT@Latin@citex%
2132 [#1][#2]#3{%
2133 \NAT@reset@parser
2134 \NAT@sort@cites{#3}%
2135 \NAT@reset@citea
2136 \@cite{\lr{\let\NAT@nm\@empty\let\NAT@year\@empty
2137 \@for\@citeb:=\NAT@cite@list\do
2138 {\@safe@activestru
2139 \edef\@citeb{\expandafter\@firstofone\@citeb\@empty}}%
2140 \@safe@activesfalse
2141 \@ifundefined{b@\@citeb\@extra@b@citeb}{\@citea%
2142 {\reset@font\bfseries ?}\NAT@citeundefined
2143 \PackageWarning{natbib}%
2144 {Citation `@\@citeb' on page \thepage \space undefined}\def\NAT@date{}}%
2145 {\let\NAT@last@nm=\NAT@nm\let\NAT@last@yr=\NAT@year
2146 \NAT@parse{\@citeb}}%
2147 \ifNAT@longnames\@ifundefined{bv@\@citeb\@extra@b@citeb}{%
2148 \let\NAT@name=\NAT@all@names
2149 \global\@namedef{bv@\@citeb\@extra@b@citeb}{}}{}}%
2150 \fi
2151 \ifNAT@full\let\NAT@nm\NAT@all@names\else
2152 \let\NAT@nm\NAT@name\fi
2153 \ifNAT@swa\ifcase\NAT@ctype
2154 \if\relax\NAT@date\relax
2155 \citea\NAT@hyper@{\NAT@nmfmt{\NAT@nm}\NAT@date}%
2156 \else
2157 \ifx\NAT@last@nm\NAT@nm\NAT@yrsep
2158 \ifx\NAT@last@yr\NAT@year
2159 \def\NAT@temp{?}%
2160 \ifx\NAT@temp\NAT@exlab\PackageWarningNoLine{natbib}%
2161 {Multiple citation on page \thepage: same authors and
2162 year\MessageBreak without distinguishing extra
2163 letter,\MessageBreak appears as question mark}\fi
2164 \NAT@hyper@{\NAT@exlab}%
2165 \else\unskip\NAT@spacechar
2166 \NAT@hyper@{\NAT@date}%

```



```

2167         \fi
2168     \else
2169         \@citea\NAT@hyper@{%
2170             \NAT@nmfmt{\NAT@nm}%
2171             \hyper@natlinkbreak{%
2172                 \NAT@aysep\NAT@spacechar}{\@citeb\@extra@b@citeb
2173             }%
2174             \NAT@date
2175         }%
2176     \fi
2177 \fi
2178 \or\@citea\NAT@hyper@{\NAT@nmfmt{\NAT@nm}}%
2179 \or\@citea\NAT@hyper@{\NAT@date}%
2180 \or\@citea\NAT@hyper@{\NAT@alias}%
2181 \fi \NAT@def@citea
2182 \else
2183     \ifcase\NAT@ctype
2184     \if\relax\NAT@date\relax
2185         \@citea\NAT@hyper@{\NAT@nmfmt{\NAT@nm}}%
2186     \else
2187         \ifx\NAT@last@nm\NAT@nm\NAT@yrsep
2188             \ifx\NAT@last@yr\NAT@year
2189                 \def\NAT@temp{?}%
2190                 \ifx\NAT@temp\NAT@exlab\PackageWarningNoLine{natbib}%
2191                     {Multiple citation on page \thepage: same authors and
2192                     year\MessageBreak without distinguishing extra
2193                     letter,\MessageBreak appears as question mark}\fi
2194                 \NAT@hyper@{\NAT@exlab}%
2195             \else
2196                 \unskip\NAT@spacechar
2197                 \NAT@hyper@{\NAT@date}%
2198             \fi
2199         \else
2200             \@citea\NAT@hyper@{%
2201                 \NAT@nmfmt{\NAT@nm}%
2202                 \hyper@natlinkbreak{\NAT@spacechar\NAT@@open\if*#1*\else#1\NAT@spacechar\fi}%
2203                 {\@citeb\@extra@b@citeb}%
2204                 \NAT@date
2205             }%
2206         \fi
2207     \fi
2208     \or\@citea\NAT@hyper@{\NAT@nmfmt{\NAT@nm}}%
2209     \or\@citea\NAT@hyper@{\NAT@date}%
2210     \or\@citea\NAT@hyper@{\NAT@alias}%
2211     \fi
2212     \if\relax\NAT@date\relax
2213         \NAT@def@citea
2214     \else
2215         \NAT@def@citea@close
2216     \fi
2217 \fi
2218 }}\ifNAT@swa\else\if*#2*\else\NAT@cmt#2\fi
2219 \if\relax\NAT@date\relax\else\NAT@@close\fi\fi}}{#1}{#2}}
2220 \newcommand\NAT@Latin@citexnum{}

```



```

2221 \def\NAT@Latin@citexnum[#1][#2]#3{%
2222   \NAT@reset@parser
2223   \NAT@sort@cites{#3}%
2224   \NAT@reset@citea
2225   \@cite{\lr{\def\NAT@num{-1}\let\NAT@last@yr\relax\let\NAT@nm\@empty
2226     \@for\@citeb:=\NAT@cite@list\do
2227       {\@safe@activestru
2228         \edef\@citeb{\expandafter\@firstofone\@citeb\@empty}}%
2229       \@safe@activesfalse
2230       \@ifundefined{b@\@citeb\@extra@b@citeb}{%
2231         {\reset@font\bfseries?}
2232         \NAT@citeundefined\PackageWarning{natbib}%
2233         {Citation ``\@citeb' on page \thepage \space undefined}}%
2234       {\let\NAT@last@num\NAT@num\let\NAT@last@nm\NAT@nm
2235         \NAT@parse{\@citeb}%
2236         \ifNAT@longnames\@ifundefined{bv@\@citeb\@extra@b@citeb}{%
2237           \let\NAT@name=\NAT@all@names
2238           \global\@namedef{bv@\@citeb\@extra@b@citeb}{}}{}}%
2239         \fi
2240         \ifNAT@full\let\NAT@nm\NAT@all@names\else
2241           \let\NAT@nm\NAT@name\fi
2242         \ifNAT@swa
2243           \@ifnum{\NAT@ctype>\@ne}{%
2244             \citea
2245             \NAT@hyper@{\@ifnum{\NAT@ctype=\tw@}{\NAT@test{\NAT@ctype}}{\NAT@alias}}%
2246           }{%
2247             \@ifnum{\NAT@cmprs>\z@}{%
2248               \NAT@ifcat@num\NAT@num
2249               {\let\NAT@nm=\NAT@num}%
2250               {\def\NAT@nm{-2}}%
2251               \NAT@ifcat@num\NAT@last@num
2252               {\@tempcnta=\NAT@last@num\relax}%
2253               {\@tempcnta\m@ne}%
2254               \@ifnum{\NAT@nm=\@tempcnta}{%
2255                 \@ifnum{\NAT@merge>\@ne}{\NAT@last@yr@embox}%
2256               }{%
2257                 \advance\@tempcnta by\@ne
2258                 \@ifnum{\NAT@nm=\@tempcnta}{%
2259                   \ifx\NAT@last@yr\relax
2260                     \def\NAT@last@yr{\@citea}%
2261                   \else
2262                     \def\NAT@last@yr{--\NAT@penalty}%
2263                   \fi
2264                 }{%
2265                   \NAT@last@yr@embox
2266                 }%
2267               }%
2268             }{%
2269               \@tempswatrue
2270               \@ifnum{\NAT@merge>\@ne}{\@ifnum{\NAT@last@num=\NAT@num\relax}{\@tempswafalse}}{}}%
2271             \if@tempswa\NAT@citea@embox\fi
2272           }%
2273         }%
2274       \NAT@def@citea

```



```

2275 \else
2276 \ifcase\NAT@ctype
2277 \ifx\NAT@last@nm\NAT@nm \NAT@yrsep\NAT@penalty\NAT@space\else
2278 \citea \NAT@test{\@ne}\NAT@spacechar\NAT@mbox{\NAT@super@kern\NAT@@open}%
2279 \fi
2280 \if*#1*\else#1\NAT@spacechar\fi
2281 \NAT@mbox{\NAT@hyper@{\citenumfont{\NAT@num}}}%
2282 \NAT@def@citea@box
2283 \or
2284 \NAT@hyper@citea@space{\NAT@test{\NAT@ctype}}%
2285 \or
2286 \NAT@hyper@citea@space{\NAT@test{\NAT@ctype}}%
2287 \or
2288 \NAT@hyper@citea@space\NAT@alias
2289 \fi
2290 \fi
2291 }%
2292 }%
2293 \@ifnum{\NAT@cmprs>\z@}{\NAT@last@yr}{}%
2294 \ifNAT@swa\else
2295 \@ifnum{\NAT@ctype=\z@}{%
2296 \if*#2*\else\NAT@cmt#2\fi
2297 }{}%
2298 \NAT@mbox{\NAT@@close}%
2299 \fi
2300 }{#1}{#2}%
2301 }%
2302 \AtBeginDocument{\NAT@set@cites}
2303 \DeclareRobustCommand\Latincite
2304 {\begingroup\let\NAT@ctype\z@\NAT@partrue\NAT@swatrue
2305 \@ifstar{\NAT@fulltrue\NAT@Latin@cites}{\NAT@fullfalse\NAT@Latin@cites}}
2306 \newcommand\NAT@Latin@cites{\@ifnextchar [{\NAT@@Latin@citetp}{%
2307 \ifNAT@numbers\else
2308 \NAT@swafalse
2309 \fi
2310 \NAT@@Latin@citetp[]}}
2311 \newcommand\NAT@@Latin@citetp{
2312 \def\NAT@@Latin@citetp[#1]{\@ifnextchar [{\@Latincitex[#1]}{\@Latincitex[] [#1]}}

```

## 45 File packages-localize-xetex-xepersian.def

```

2313 packages} \-localize-xetex-xepersian.def}[2025/01/03 v0.3 localizing LaTeX2e Packages
2314 color} \}{color} @\-localize-xetex-xepersian.def}}{}
2315 \ApplyPatchCodeToPackage{multicol}{%
2316 \newenvironment{ }{\begin{multicols}}{\end{multicols}}%
2317 \newenvironment{ *}{\begin{multicols*}}{\end{multicols*}}%
2318 }
2319 \ApplyPatchCodeToPackage{verbatim}{%
2320 \begingroup
2321 \vrb@catcodes
2322 \lccode`!\!=`\ \lccode`\[=\`\{ \lccode`\]=`\}
2323 \catcode`\-=\active \lccode`\-=\`\^M
2324 \lccode`\C=\`C
2325 \lowercase{\endgroup

```





```

2326 \def\xepersian@localize@verbatim@start#1{%
2327 \verbatim@startline
2328 \if\noexpand#1\noexpand~%
2329 \let\next\xepersian@localize@verbatim@
2330 \else \def\next{\xepersian@localize@verbatim@#1}\fi
2331 \next}%
2332 \def\xepersian@localize@verbatim@#1~{\xepersian@localize@verbatim@#1! \@nil}%
2333 \def\xepersian@localize@verbatim@#1! {%
2334 \verbatim@addtoline{#1}%
2335 \futurelet\next\xepersian@localize@verbatim@@@}%
2336 \def\xepersian@localize@verbatim@@@#1\@nil{%
2337 \ifx\next\@nil
2338 \verbatim@processline
2339 \verbatim@startline
2340 \let\next\xepersian@localize@verbatim@
2341 \else
2342 \def\@tempa##1! \@nil{##1}%
2343 \@temptokena{! }%
2344 \def\next{\expandafter\xepersian@localize@verbatim@test\@tempa#1\@nil~}%
2345 \fi \next}%
2346 \def\xepersian@localize@verbatim@test#1{%
2347 \let\next\xepersian@localize@verbatim@test
2348 \if\noexpand#1\noexpand~%
2349 \expandafter\verbatim@addtoline
2350 \expandafter{\the\@temptokena}%
2351 \verbatim@processline
2352 \verbatim@startline
2353 \let\next\xepersian@localize@verbatim@
2354 \else \if\noexpand#1
2355 \@temptokena\expandafter{\the\@temptokena#1}%
2356 \else \if\noexpand#1\noexpand[%
2357 \let\@tempc\@empty
2358 \let\next\xepersian@localize@verbatim@testend
2359 \else
2360 \expandafter\verbatim@addtoline
2361 \expandafter{\the\@temptokena}%
2362 \def\next{\xepersian@localize@verbatim@#1}%
2363 \fi\fi\fi
2364 \next}%
2365 \def\xepersian@localize@verbatim@testend#1{%
2366 \if\noexpand#1\noexpand~%
2367 \expandafter\verbatim@addtoline
2368 \expandafter{\the\@temptokena[]}%
2369 \expandafter\verbatim@addtoline
2370 \expandafter{\@tempc}%
2371 \verbatim@processline
2372 \verbatim@startline
2373 \let\next\xepersian@localize@verbatim@
2374 \else\if\noexpand#1\noexpand]%
2375 \let\next\xepersian@localize@verbatim@@testend
2376 \else\if\noexpand#1\noexpand!%
2377 \expandafter\verbatim@addtoline
2378 \expandafter{\the\@temptokena[]}%
2379 \expandafter\verbatim@addtoline

```



```

2380         \expandafter{\@tempc}%
2381         \def\next{\xepersian@localize@verbatim@!}%
2382         \else \expandafter\def\expandafter\@tempc\expandafter
2383             {\@tempc#1}\fi\fi\fi
2384         \next}%
2385 \def\xepersian@localize@verbatim@ttestend{%
2386     \ifx\@tempc\@currenenvir
2387         \verbatim@finish
2388         \edef\next{\noexpand\end{\@currenenvir}%
2389             \noexpand\xepersian@localize@verbatim@rescan{\@currenenvir}}%
2390     \else
2391         \expandafter\verbatim@addtoline
2392         \expandafter{\the\@temptokena[]}%
2393         \expandafter\verbatim@addtoline
2394         \expandafter{\@tempc]}%
2395         \let\next\xepersian@localize@verbatim@
2396     \fi
2397     \next}%
2398 \def\xepersian@localize@verbatim@rescan#1#2~{\if\noexpand~\noexpand#2~\else
2399     \@warning{Characters dropped after `string\end{#1}'}\fi}%
2400 \def\
2401     {\begingroup\@verbatim \frenchspacing\@vobeyspaces
2402     \xepersian@localize@verbatim@start}
2403 \namedef{
2404     *}{\begingroup\@verbatim\xepersian@localize@verbatim@start}
2405 \def\end
2406     {\endtrivlist\endgroup\@doendpe}
2407 \expandafter\let\csname end
2408     *\endcsname =\end
2409 }
2410 \ExplSyntaxOn
2411 \AtBeginDocument{
2412     \xepersian_localize_patch_verbatim:
2413 }
2414 \cs_set:Npn \xepersian_localize_patch_verbatim: {
2415     \ApplyPatchCodeToPackage{verbatim}{
2416         \cs_set:cpn {*
2417         } }
2418         \group_begin: \@verbatim \fontspec_print_visible_spaces: \xepersian@localize@verbatim@
2419     }
2420 }
2421 \ExplSyntaxOff
2422 \ApplyPatchCodeToPackage{graphicx}{%
2423 \def\Gin@boolkey#1#2{%
2424 \expandafter\@ifdefinable \csname Gin@#2 \endcsname{%
2425 \expandafter\let\csname Gin@#2 \expandafter\endcsname\csname Gin@#2true\endcsname}%
2426 \expandafter\@ifdefinable \csname Gin@#2 \endcsname{%
2427 \expandafter\let\csname Gin@#2 \expandafter\endcsname\csname Gin@#2false\endcsname}%
2428 \csname Gin@#2\ifx\relax#1\relax true\else#1\fi\endcsname}
2429 \define@key{Grot}{origin}[c]{%
2430 \@tfor\@tempa:=#1\do{%
2431 \if l\@tempa \Grot@x\z@\else
2432 \if tempa@ \Grot@x\z@\else
2433 \if r\@tempa \Grot@x\width\else
2434 \if tempa@ \Grot@x\width\else
2435 \if t\@tempa \Grot@y\height\else
2436 \if tempa@ \Grot@y\height\else
2437 \if b\@tempa \Grot@y-\depth\else

```



```

2434 \if tempa@ \Grot@y-\depth\else
2435 \if B@tempa \Grot@y\z@ \else
2436 \if tempa@ \Grot@y\z@\fi\fi\fi\fi\fi\fi\fi\fi\fi\fi}
2437 {draft}{ }{Gin} @ \
2438 {origin}{ }{Gin} @ \
2439 {origin}{ }{Grot} @ \
2440 {clip}{ }{Gin} @ \
2441 {keepaspectratio}{ }{Gin} @ \
2442 {natwidth}{ }{Gin} @ \
2443 {natheight}{ }{Gin} @ \
2444 {bb}{ }{Gin} @ \
2445 {viewport}{ }{Gin} @ \
2446 {trim}{ }{Gin} @ \
2447 {angle}{ }{Gin} @ \
2448 {width}{ }{Gin} @ \
2449 {height}{ }{Gin} @ \
2450 {totalheight}{ }{Gin} @ \
2451 {scale}{ }{Gin} @ \
2452 {type}{ }{Gin} @ \
2453 {ext}{ }{Gin} @ \
2454 {read}{ }{Gin} @ \
2455 {command}{ }{Gin} @ \
2456 {x}{ }{Grot} @ \
2457 {y}{ }{Grot} @ \
2458 {units}{ }{Grot} @ \
2459 }

```

## 46 File url-xetex-xepersian.def

```

2460 \ProvidesFile{url-xetex-xepersian.def}[2022/02/18 v0.1 xepersian adaptations for url package]
2461 \begingroup
2462 \lccode`+=`%\lccode`~`=\%
2463 \lowercase {\long\gdef\Url@actpercent{\Url@Edit\Url@String{+}{~}%
2464 \ifnum\Umathcodenum`\<32768 \def~{\%}\fi}}%
2465 \endgroup%

```

## 47 File persian-tex-text.map

```

2466 LHSName "persian-TeX-text"
2467 RHSName "Unicode"
2468
2469 pass(Unicode)
2470 U+0030 <> U+06F0 ;
2471 U+0031 <> U+06F1 ;
2472 U+0032 <> U+06F2 ;
2473 U+0033 <> U+06F3 ;
2474 U+0034 <> U+06F4 ;
2475 U+0035 <> U+06F5 ;
2476 U+0036 <> U+06F6 ;
2477 U+0037 <> U+06F7 ;
2478 U+0038 <> U+06F8 ;
2479 U+0039 <> U+06F9 ;
2480
2481

```



```

2482 U+002C <> U+060C ; comma > arabic comma
2483 U+003F <> U+061F ; question mark -> arabic qm
2484 U+003B <> U+061B ; semicolon -> arabic semicolon
2485
2486 ; ligatures from Knuth's original CMR fonts
2487 U+002D U+002D <> U+2013 ; -- -> en dash
2488 U+002D U+002D U+002D <> U+2014 ; --- -> em dash
2489
2490 U+0027 <> U+2019 ; ' -> right single quote
2491 U+0027 U+0027 <> U+201D ; '' -> right double quote
2492 U+0022 > U+201D ; " -> right double quote
2493
2494 U+0060 <> U+2018 ; ` -> left single quote
2495 U+0060 U+0060 <> U+201C ; `` -> left double quote
2496
2497 U+0021 U+0060 <> U+00A1 ; !` -> inverted exclam
2498 U+003F U+0060 <> U+00BF ; ?` -> inverted question
2499
2500 ; additions supported in T1 encoding
2501 U+002C U+002C <> U+201E ; ,, -> DOUBLE LOW-9 QUOTATION MARK
2502 U+003C U+003C <> U+00AB ; << -> LEFT POINTING GUILLEMET
2503 U+003E U+003E <> U+00BB ; >> -> RIGHT POINTING GUILLEMET

```

## 48 File persian-tex-text-nonnumbers.map

```

2504 LHSName "persian-TeX-text-nonnumbers"
2505 RHSName "Unicode"
2506
2507 pass(Unicode)
2508 U+002C <> U+060C ; comma > arabic comma
2509 U+003F <> U+061F ; question mark -> arabic qm
2510 U+003B <> U+061B ; semicolon -> arabic semicolon
2511
2512 ; ligatures from Knuth's original CMR fonts
2513 U+002D U+002D <> U+2013 ; -- -> en dash
2514 U+002D U+002D U+002D <> U+2014 ; --- -> em dash
2515
2516 U+0027 <> U+2019 ; ' -> right single quote
2517 U+0027 U+0027 <> U+201D ; '' -> right double quote
2518 U+0022 > U+201D ; " -> right double quote
2519
2520 U+0060 <> U+2018 ; ` -> left single quote
2521 U+0060 U+0060 <> U+201C ; `` -> left double quote
2522
2523 U+0021 U+0060 <> U+00A1 ; !` -> inverted exclam
2524 U+003F U+0060 <> U+00BF ; ?` -> inverted question
2525
2526 ; additions supported in T1 encoding
2527 U+002C U+002C <> U+201E ; ,, -> DOUBLE LOW-9 QUOTATION MARK
2528 U+003C U+003C <> U+00AB ; << -> LEFT POINTING GUILLEMET
2529 U+003E U+003E <> U+00BB ; >> -> RIGHT POINTING GUILLEMET

```

## 49 File rapport1-xetex-xepersian.def



```

2530 \ProvidesFile{rapport1-xetex-xepersian.def}[2010/07/25 v0.1 xepersian adaptations for rapport
2531 \renewcommand*\thepart{\@tartibi\c@part}
2532 \renewcommand*\appendix{\par
2533   \setcounter{chapter}{0}%
2534   \setcounter{section}{0}%
2535   \gdef\@chapapp{\appendixname}%
2536   \gdef\thechapter{\@harfi\c@chapter}}

```

## 50 File rapport3-xetex-xepersian.def

```

2537 \ProvidesFile{rapport3-xetex-xepersian.def}[2010/07/25 v0.2 xepersian adaptations for rapport
2538 \renewcommand*\thepart{\@tartibi\c@part}
2539 \renewcommand*\appendix{\par
2540   \setcounter{chapter}{0}%
2541   \setcounter{section}{0}%
2542   \gdef\@chapapp{\appendixname}%
2543   \gdef\thechapter{\@harfi\c@chapter}}

```

## 51 File refrep-xetex-xepersian.def

```

2544 \ProvidesFile{refrep-xetex-xepersian.def}[2010/07/25 v0.2 xepersian adaptations for refrep cl
2545 \renewcommand \thepart {\@tartibi\c@part}
2546 \renewcommand\appendix{\par
2547   \setcounter{chapter}{0}%
2548   \setcounter{section}{0}%
2549   \gdef\@chapapp{\appendixname}%
2550   \gdef\thechapter{\@harfi\c@chapter}
2551 }%end appendix

```

## 52 File report-xetex-xepersian.def

```

2552 \ProvidesFile{report-xetex-xepersian.def}[2010/07/25 v0.2 xepersian adaptations for report cl
2553 \renewcommand \thepart {\@tartibi\c@part}
2554 \renewcommand\appendix{\par
2555   \setcounter{chapter}{0}%
2556   \setcounter{section}{0}%
2557   \gdef\@chapapp{\appendixname}%
2558   \gdef\thechapter{\@harfi\c@chapter}
2559 }%end appendix

```

## 53 File scartcl-xetex-xepersian.def

```

2560 \ProvidesFile{scartcl-xetex-xepersian.def}[2022/05/22 v0.3 xepersian adaptations for scartcl
2561 \renewcommand*\thepart{\@tartibi\c@part}
2562 \renewcommand*\appendix{%
2563   \Ifstr{\@currenenv}{appendix}{%
2564     \ClassWarning{\KOMAClassName}{%
2565       You are using
2566       `string\begin{appendix}...string\end{appendix}'\MessageBreak
2567       You should note, that `string\appendix' is a mostly
2568       globally\MessageBreak
2569       working command not an enviroment with only local\MessageBreak
2570       effects. Therefore `string\end{appendix}' will neither\MessageBreak
2571       switch back to normal section numbering nor finish\MessageBreak

```



```

2572     every other effect of `string\begin{appendix}'.\MessageBreak
2573     Nevertheless, some effects may end with\MessageBreak
2574     `string\end{appendix}' and the document may become\MessageBreak
2575     inconsistent.\MessageBreak
2576     Because of this, you should remove `string\end{appendix}'.\MessageBreak
2577     and replace `string\begin{appendix}' by command\MessageBreak
2578     `string\appendix'%
2579     }%
2580 }{}%
2581 \par
2582 \setcounter{section}{0}%
2583 \setcounter{subsection}{0}%
2584 \gdef\thesection{\@harfi@c@section}%
2585 }
2586 \IfLTXAtLeastTF{2020/10/01}{%
2587   \g@addto@macro{\appendix}{\UseOneTimeHook{\KOMAClassName/appendix}}%
2588 }{}
2589 \g@addto@macro{\appendix}{\csname appendixmore\endcsname}
2590 \renewcommand*{\@maybeautodot}[1]{%
2591   \ifx #1\@stop\let\@maybeautodot\relax
2592   \else
2593     \ifx #1\harfi \@autodottrue\fi
2594     \ifx #1\adadi \@autodottrue\fi
2595     \ifx #1\tartibi \@autodottrue\fi
2596     \ifx #1\Alph \@autodottrue\fi
2597     \ifx #1\alph \@autodottrue\fi
2598     \ifx #1\Roman \@autodottrue\fi
2599     \ifx #1\roman \@autodottrue\fi
2600     \ifx #1\@harfi \@autodottrue\fi
2601     \ifx #1\@adadi \@autodottrue\fi
2602     \ifx #1\@tartibi \@autodottrue\fi
2603     \ifx #1\@Alph \@autodottrue\fi
2604     \ifx #1\@alph \@autodottrue\fi
2605     \ifx #1\@Roman \@autodottrue\fi
2606     \ifx #1\@roman \@autodottrue\fi
2607     \ifx #1\romannumeral \@autodottrue\fi
2608   \fi
2609   \@maybeautodot
2610 }

```

## 54 File scrbook-xetex-xepersian.def

```

2611 \ProvidesFile{scrbook-xetex-xepersian.def}[2022/05/22 v0.3 xepersian adaptations for scrbook
2612 \renewcommand*\frontmatter{%
2613   \if@twoside\cleardoubleoddpagel\else\clearpage\fi
2614   \@mainmatterfalse\pagenumbering{\harfi}%
2615 }
2616 \renewcommand*\thepart{\@tartibi@c@part}
2617 \renewcommand*\appendix{%
2618   \Ifstr{\@currenvir}{appendix}{%
2619     \ClassWarning{\KOMAClassName}{%
2620       You are using
2621       `string\begin{appendix}...\string\end{appendix}'.\MessageBreak
2622       You should note, that `string\appendix' is a mostly

```



```

2623     globally\MessageBreak
2624     working command not an enviroment with only local\MessageBreak
2625     effects. Therefore \string\end{appendix} will neither\MessageBreak
2626     switch back to normal section numbering nor finish\MessageBreak
2627     every other effect of \string\begin{appendix}. \MessageBreak
2628     Nevertheless, some effects may end with\MessageBreak
2629     \string\end{appendix} and the document may become\MessageBreak
2630     inconsistent. \MessageBreak
2631     Because of this, you should remove \string\end{appendix} \MessageBreak
2632     and replace \string\begin{appendix} by command \MessageBreak
2633     \string\appendix'
2634   }%
2635 }{}%
2636 \par
2637 \setcounter{chapter}{0}%
2638 \setcounter{section}{0}%
2639 \gdef\@chapapp{\appendixname}%
2640 \gdef\thechapter{\@harfi\c@chapter}%
2641 }
2642 \IfLTXAtLeastTF{2020/10/01}{%
2643   \g@addto@macro{\appendix}{\UseOneTimeHook{\KOMAClassName/appendix}}%
2644 }{}
2645 \g@addto@macro{\appendix}{\csname appendixmore\endcsname}
2646 \renewcommand*{\@maybeautodot}[1]{%
2647   \ifx #1\@stop\let\@maybeautodot\relax
2648   \else
2649     \ifx #1\harfi \@autodottrue\fi
2650     \ifx #1\adadi \@autodottrue\fi
2651     \ifx #1\tartibi \@autodottrue\fi
2652     \ifx #1\Alph \@autodottrue\fi
2653     \ifx #1\alph \@autodottrue\fi
2654     \ifx #1\Roman \@autodottrue\fi
2655     \ifx #1\roman \@autodottrue\fi
2656     \ifx #1\@harfi \@autodottrue\fi
2657     \ifx #1\@adadi \@autodottrue\fi
2658     \ifx #1\@tartibi \@autodottrue\fi
2659     \ifx #1\@Alph \@autodottrue\fi
2660     \ifx #1\@alph \@autodottrue\fi
2661     \ifx #1\@Roman \@autodottrue\fi
2662     \ifx #1\@roman \@autodottrue\fi
2663     \ifx #1\romannumeral \@autodottrue\fi
2664   \fi
2665   \@maybeautodot
2666 }

```

## 55 File `scrreprt-xetex-xepersian.def`

```

2667 \ProvidesFile{scrreprt-xetex-xepersian.def}[2022/05/22 v0.3 xepersian adaptations for scrreprt]
2668 \renewcommand*{\thepart}{\@tartibi\c@part}
2669 \renewcommand*\appendix{%
2670   \Ifstr{\@currenvir}{appendix}{%
2671     \ClassWarning{\KOMAClassName}{%
2672       You are using
2673       \string\begin{appendix}... \string\end{appendix}'. \MessageBreak

```



```

2674     You should note, that \string\appendix is a mostly
2675     globally\MessageBreak
2676     working command not an enviroment with only local\MessageBreak
2677     effects. Therefore \string\end{appendix} will neither\MessageBreak
2678     switch back to normal section numbering nor finish\MessageBreak
2679     every other effect of \string\begin{appendix}. \MessageBreak
2680     Nevertheless, some effects may end with\MessageBreak
2681     \string\end{appendix} and the document may become\MessageBreak
2682     inconsistent. \MessageBreak
2683     Because of this, you should remove \string\end{appendix} \MessageBreak
2684     and replace \string\begin{appendix} by command \MessageBreak
2685     \string\appendix'
2686     }%
2687 }{}%
2688 \par
2689 \setcounter{chapter}{0}%
2690 \setcounter{section}{0}%
2691 \gdef\@chapapp{\appendixname}%
2692 \gdef\thechapter{\@harfi\c@chapter}%
2693 }
2694 \IfLTXAtLeastTF{2020/10/01}{%
2695 \g@addto@macro{\appendix}{\UseOneTimeHook{\KOMAClassName/appendix}}%
2696 }{}
2697 \g@addto@macro{\appendix}{\csname appendixmore\endcsname}
2698 \renewcommand*{\@@maybeautodot}[1]{%
2699 \ifx #1\@stop\let\@@maybeautodot\relax
2700 \else
2701 \ifx #1\harfi \@autodottrue\fi
2702 \ifx #1\adadi \@autodottrue\fi
2703 \ifx #1\tartibi \@autodottrue\fi
2704 \ifx #1\Alph \@autodottrue\fi
2705 \ifx #1\alph \@autodottrue\fi
2706 \ifx #1\Roman \@autodottrue\fi
2707 \ifx #1\roman \@autodottrue\fi
2708 \ifx #1\@harfi \@autodottrue\fi
2709 \ifx #1\@adadi \@autodottrue\fi
2710 \ifx #1\@tartibi \@autodottrue\fi
2711 \ifx #1\@Alph \@autodottrue\fi
2712 \ifx #1\@alph \@autodottrue\fi
2713 \ifx #1\@Roman \@autodottrue\fi
2714 \ifx #1\@roman \@autodottrue\fi
2715 \ifx #1\romannumeral \@autodottrue\fi
2716 \fi
2717 \@@maybeautodot
2718 }

```

## 56 File soul-xetex-xepersian.def

```

2719 \ProvidesFile{soul-xetex-xepersian.def}[2018/12/12 v0.2 xepersian adaptations for soul package]
2720 \let\SOUL@tt@latin\SOUL@tt
2721 \newfontface{\SOUL@tt@nonlatin}{Times New Roman}
2722 \def\SOUL@tt{%
2723 \if@nonlatin
2724 \SOUL@tt@nonlatin

```





```

2725 \else
2726 \SOUL@tt@latin
2727 \fi
2728 }
2729 \bidi@appto\resetlatinfont{%
2730 \setbox\z@\hbox{\SOUL@tt-}%
2731 \SOUL@ttwidth\wd\z@
2732 }
2733 \bidi@appto\setpersianfont{%
2734 \setbox\z@\hbox{\SOUL@tt-}%
2735 \SOUL@ttwidth\wd\z@
2736 }

```

## 57 File tkz-linknodes-xetex-xepersian.def

```

2737 \ProvidesFile{tkz-linknodes-xetex-xepersian.def}[2012/06/13 v0.1 xepersian adaptations for tkz-linknodes]
2738 \renewcommand*{\@SetTab}{%
2739 \let\@alph\@linalph%
2740 \ifnum \value{C@NumTab}>25\relax%
2741 \setcounter{C@NumTab}{1}%
2742 \else%
2743 \stepcounter{C@NumTab}%
2744 \fi%
2745 \setcounter{C@NumGroup}{0}%
2746 \newcommand*{\PrefixCurrentTab}{\alph{C@NumTab}}
2747 \setboolean{B@FirstLink}{true}
2748 \setboolean{B@NewGroup}{false}
2749 \setcounter{C@NumGroup}{0}
2750 \setcounter{C@CurrentGroup}{0}
2751 \setcounter{NumC@Node}{0}
2752 \setcounter{NumC@Stop}{0}
2753 \setcounter{C@NextNode}{0}
2754 \setcounter{C@CurrentStop}{0}
2755 \setcounter{C@CurrentNode}{0}
2756 }%

```

## 58 File tocloft-xetex-xepersian.def

```

2757 \ProvidesFile{tocloft-xetex-xepersian.def}[2025/01/03 v0.2 xepersian adaptations for tocloft]
2758 \IfClassLoadedT{memoir}{\endinput}
2759 \renewcommand*{\cftchapname}{\if@RTL else\ chapter\fi}
2760 \renewcommand*{\cftsecname}{\if@RTL else\ section\fi}
2761 \renewcommand*{\cftsubsecname}{\if@RTL else\ subsection\fi}
2762 \renewcommand*{\cftsubsubsecname}{\if@RTL else\ subsubsection\fi}
2763 \renewcommand*{\cftparaname}{\if@RTL else\ paragraph\fi}
2764 \renewcommand*{\cftsubparaname}{\if@RTL else\ subparagraph\fi}
2765 \renewcommand*{\cftfigname}{\if@RTL else\ figure\fi}
2766 \renewcommand*{\cftsubfigname}{\if@RTL else\ subfigure\fi}
2767 \renewcommand*{\cfttabname}{\if@RTL else\ table\fi}
2768 \renewcommand*{\cftsubtabname}{\if@RTL else\ subtable\fi}

```

## 59 File varioref-xetex-xepersian.def

```

2769 \ProvidesFile{varioref-xetex-xepersian.def}[2018/09/29 v0.1 xepersian adaptations for varioref]

```



```

2770 \def\reftextfaceafter{%
2771   \if@RTL
2772
2773 \reftextvario{ }{ }%
2774   \else
2775     on the \reftextvario{facing}{next} page%
2776   \fi
2777 }
2778 \def\reftextfacebefore{%
2779   \if@RTL
2780
2781 \reftextvario{ }{ }%
2782   \else
2783     on the \reftextvario{facing}{preceding} page%
2784   \fi
2785 }
2786 \def\reftextafter{%
2787   \if@RTL
2788
2789 \reftextvario{ }{ }%
2790   \else
2791     on the \reftextvario{following}{next} page%
2792   \fi
2793 }
2794 \def\reftextbefore{%
2795   \if@RTL
2796
2797 \reftextvario{ }{ }%
2798   \else
2799     on the \reftextvario{preceding}{previous} page%
2800   \fi
2801 }
2802 \def\reftextcurrent{%
2803   \if@RTL
2804
2805 \reftextvario{ }{ }%
2806   \else
2807     on \reftextvario{this}{the current} page%
2808   \fi
2809 }
2810 \def\reftextfaraway#1{%
2811   \if@RTL
2812   %
2813 ~\pageref{#1}%
2814   \else
2815     on page~\pageref{#1}%
2816   \fi
2817 }
2818 \def\reftextpagerange#1#2{%
2819   \if@RTL
2820   %
2821 ~\pageref{#1}--\pageref{#2}%
2822   \else
2823     on pages~\pageref{#1}--\pageref{#2}%

```



```

2824 \fi
2825 }
2826 \def\reftextlabelrange#1#2{%
2827 \if@RTL
2828 \ref{#1} %ref{#2}\~
2829 \else
2830 \ref{#1} to~\ref{#2}%
2831 \fi
2832 }

```

## 60 File xepersian.sty

```

2833 \NeedsTeXFormat{LaTeX2e}
2834 \def\xepersian@version{26.1}
2835 \def\xepersian@date{2025/01/08}
2836 \def\xepersian@releasename{Persian Gate}
2837 \def\xepersian@persian@@releasename{
2838 \newcommand*\xepersianreleasename{\if@RTL\xepersian@persian@@releasename\else\xepersian@releasename}
2839 \ProvidesPackage{xepersian}[\xepersian@date\space v\xepersian@version\space (Release \xepersian@releasename)]
2840 Persian typesetting in XeLaTeX]
2841 \newif\if@xepersian@banner
2842 \newif\if@xepersian@@computeautoilg
2843 \DeclareUnknownKeyHandler{%
2844 \PassOptionsToPackage{\CurrentOption}{bidi}%
2845 }
2846 \ExplSyntaxOn
2847 \keys_define:nn { xepersian }
2848 {
2849 banner .choice: ,
2850 banner / on .code:n =
2851 \@xepersian@bannertrue
2852 \PassOptionsToPackage{banner=on}{bidi} ,
2853 banner / off .code:n =
2854 \@xepersian@bannerfalse
2855 \PassOptionsToPackage{banner=off}{bidi} ,
2856 banner .default:n = on
2857 }
2858 \keys_define:nn { xepersian }
2859 {
2860 mathdigits .choice: ,
2861 mathdigits / automatic .code:n = \AtEndOfPackage{\AutoMathDigits} ,
2862 mathdigits / default .code:n = \AtEndOfPackage{\DefaultMathDigits} ,
2863 mathdigits / persian .code:n = \AtEndOfPackage{\PersianMathDigits}
2864 }
2865 \keys_define:nn { xepersian }
2866 {
2867 inlinemathdigits .choice: ,
2868 inlinemathdigits / automatic .code:n = \AtEndOfPackage{\AutoInlineMathDigits} ,
2869 inlinemathdigits / default .code:n = \AtEndOfPackage{\DefaultInlineMathDigits} ,
2870 inlinemathdigits / persian .code:n = \AtEndOfPackage{\PersianInlineMathDigits}
2871 }
2872 \keys_define:nn { xepersian }
2873 {
2874 displaymathdigits .choice: ,

```



```

2875 displaymathdigits / automatic .code:n = \AtEndOfPackage{\AutoDisplayMathDigits} ,
2876 displaymathdigits / default .code:n = \AtEndOfPackage{\DefaultDisplayMathDigits} ,
2877 displaymathdigits / persian .code:n = \AtEndOfPackage{\PersianDisplayMathDigits}
2878 }
2879 \keys_define:nm { xepersian }
2880 {
2881   Kashida .choice: ,
2882   Kashida / on .code:n = \AtEndOfPackage{\input{kashida-xetex-xepersian.def}} ,
2883   Kashida / off .code:n = \relax ,
2884   Kashida .default:n = on
2885 }
2886 \keys_define:nm { xepersian }
2887 {
2888   localize .choice: ,
2889   localize / on .code:n = \AtEndOfPackage{\input{localize-xetex-xepersian.def}} ,
2890   localize / off .code:n = \relax ,
2891   localize .default:n = on
2892 }
2893 \cs_new_protected:Npn \__xepersian_quickindex_variant:n #1
2894 {
2895   \AtEndOfPackage{%
2896     \ifwritexviii
2897       \@ifclassloaded{memoir}{%
2898         \PackageError{xepersian}{%
2899           This~feature~does~not~yet~work~with~the~memoir~class}{%}
2900       }{%
2901         \renewcommand\printindex{\newpage%
2902           \immediate\closeout\@indexfile
2903           \immediate\write18{%
2904             xindy~-L~persian~variant#1~-C~utf8~-M~texindy~-M~page~ranges~\jobname.idx}
2905           \@input@{\jobname.ind}}%
2906       }
2907     \else
2908       \PackageError{xepersian}{%
2909         "shell~escape"~(or~"write18")~is~not~enabled.~You~need~to~run~"xelatex---shell~esca
2910       }
2911     \fi
2912 }
2913 \keys_define:nm { xepersian }
2914 {
2915   quickindex-variant .choice: ,
2916   quickindex-variant / one .code:n = \__xepersian_quickindex_variant:n { 1 } ,
2917   quickindex-variant / two .code:n = \__xepersian_quickindex_variant:n { 2 } ,
2918   quickindex-variant / three .code:n = \__xepersian_quickindex_variant:n { 3 }
2919 }
2920 \keys_define:nm { xepersian }
2921 {
2922   abjad-variant .choice: ,
2923   abjad-variant / one .code:n =
2924     \def\PersianAlphs{%
2925       \let\@alph\@abjad
2926       \let\@Alph\@abjad
2927     } ,
2928   abjad-variant / two .code:n =

```



```

2929     \def\PersianAlphs{%
2930         \let\@alph\@Abjad
2931         \let\@Alph\@Abjad
2932     }
2933 }
2934 \keys_define:nn { xepersian }
2935 {
2936     defaultlatinfontfeatures .code:n = \AtEndOfPackage{\defaultfontfeatures[\latinfont]{#1}}
2937 }
2938 \keys_define:nn { xepersian }
2939 {
2940     mathfontsizescale .code:n = \def\xepersian@@math@fontsize@scale{#1}
2941 }
2942 \keys_define:nn { xepersian }
2943 {
2944     fontsizescale .code:n = \def\xepersian@@fontsize@scale{#1}
2945 }
2946 \keys_define:nn { xepersian }
2947 {
2948     fontsize .code:n = \AtEndOfPackage{\xepersian@@fontsize@branch{#1}}
2949 }
2950 \keys_define:nn { xepersian }
2951 {
2952     latinfontsizescale .code:n = \def\xepersian@@latin@fontsize@scale{#1}
2953 }
2954 \keys_define:nn { xepersian }
2955 {
2956     baselineskipyscale .code:n = \def\xepersian@@baselineskip@scale{#1}
2957 }
2958 \keys_define:nn { xepersian }
2959 {
2960     latinbaselineskipyscale .code:n = \def\xepersian@@latin@baselineskip@scale{#1}
2961 }
2962 \keys_define:nn { xepersian }
2963 {
2964     computeautoilg .choice: ,
2965     computeautoilg / on .code:n = \@xepersian@@computeautoilgtrue ,
2966     computeautoilg / off .code:n = \@xepersian@@computeautoilgfalse ,
2967     computeautoilg .default:n = on
2968 }
2969 \keys_define:nn { xepersian }
2970 {
2971     debugtextdigitfont .choice: ,
2972     debugtextdigitfont / on .code:n = \AtEndOfPackage{%
2973         \bidi@AtEndPreamble{%
2974             \bidi@patchcmd\xepersian@@start@switch@textdigitfont\xepersian@textdigitfont{%
2975                 \addfontfeature{Color=C71585}
2976             }{}{}
2977         }
2978     } ,
2979     debugtextdigitfont / off .code:n = \relax ,
2980     debugtextdigitfont .default:n = on
2981 }
2982 \keys_set:nn { xepersian }

```



```

2983 {
2984   banner = on ,
2985   abjad-variant = two ,
2986   fontsizescale = \@ne ,
2987   latinfontsizescale = \@ne ,
2988   mathfontsizescale = \@ne ,
2989   baselineskipscale = \@ne ,
2990   latinbaselineskipscale = \@ne
2991 }
2992 \ExplSyntaxOff
2993 \ProcessKeyOptions
2994 \edef\xepersian@info{*****^^J%
2995 * ^^J%
2996 * xepersian package (Persian for LaTeX, using XeTeX engine)^^J%
2997 * ^^J%
2998 * Description: The package supports Persian^^J%
2999 * typesetting, using fonts provided in the^^J%
3000 * distribution.^^J%
3001 * ^^J%
3002 * Copyright (c) 2008--2025 Vafa Khalighi^^J%
3003 * Copyright (c) 2018--2020 bidi-tex GitHub Organization^^J%
3004 * ^^J%
3005 * v\xepersian@version\space (Release \xepersian@releasename), \xepersian@date^^J%
3006 * ^^J%
3007 * License: LaTeX Project Public License, version^^J%
3008 * 1.3c or higher (your choice)^^J%
3009 * ^^J%
3010 * Location on CTAN: /macros/xetex/latex/xepersian^^J%
3011 * ^^J%
3012 * Issue tracker: https://github.com/xepersian/xepersian/issues^^J%
3013 * ^^J%
3014 * Discussions: https://github.com/xepersian/xepersian/discussions^^J%
3015 * ^^J%
3016 * Primary author of xepersian package: Vafa Khalighi.^^J%
3017 * ^^J%
3018 *****}
3019 \edef\xepersian@everyjob{\the\everyjob}
3020 \if\xepersian@banner
3021   \typeout{\@xepersian@info}
3022   \everyjob{\xepersian@everyjob\typeout{\@xepersian@info}}
3023 \fi
3024 \RequirePackage{fontspec}
3025 \RequirePackage{xepersian-persiancal}
3026 \RequirePackage{xepersian-mathdigit-spec}
3027 \RequirePackage[%
3028   documentdirection=righttoleft,%
3029   tabledirection=righttoleft,%
3030   script=nonlatin,%
3031   footnotedirection=righttoleft,%
3032   footnoterule=automatic%
3033 ]{bidi}
3034 \newcommand*\xepersianversion{
3035   \ensuremath\xepersian@version}
3036 \newcommand*\IfxepersianPackageVersionLater[1]{%

```



```

3037 \ifdim\xepersian@version pt > #1 pt %
3038   \expandafter\@firstoftwo
3039 \else
3040   \expandafter\@secondoftwo
3041 \fi}
3042 \newcommand*\IfxepersianPackageVersionBefore}[1]{%
3043 \ifdim\xepersian@version pt < #1 pt %
3044   \expandafter\@firstoftwo
3045 \else
3046   \expandafter\@secondoftwo
3047 \fi}
3048 \newcommand*\IfxepersianPackageVersion}[1]{%
3049 \ifdim\xepersian@version pt = #1 pt %
3050   \expandafter\@firstoftwo
3051 \else
3052   \expandafter\@secondoftwo
3053 \fi}
3054 \def\prq{«}
3055 \def\plq{»}
3056 \def\xepersian@cmds@temp#1{%
3057 \begingroup\expandafter\expandafter\expandafter\endgroup
3058 \expandafter\ifx\csname xepersian@#1\endcsname\relax
3059   \begingroup
3060     \escapechar=-1 %
3061     \edef\x{\expandafter\meaning\csname#1\endcsname}%
3062     \def\y{#1}%
3063     \def\z##1->{}%
3064     \edef\y{\expandafter\z\meaning\y}%
3065   \expandafter\endgroup
3066   \ifx\x\y
3067     \expandafter\def\csname xepersian@#1\expandafter\endcsname
3068     \expandafter{%
3069       \csname#1\endcsname
3070     }%
3071   \fi
3072 \fi
3073 }%
3074 \xepersian@cmds@temp{shellescape}
3075 \newif\ifwritexviii
3076 \ifnum\xepersian@shellescape=1\relax
3077   \writexviii>true
3078 \else
3079   \writexviii>false
3080 \fi
3081 \newfontscript{Persian}{arab}
3082 \newfontlanguage{Persian}{FAR}
3083 \ExplSyntaxOn
3084
3085 \keys_define:nn {fontspec-opentype}
3086 {
3087   Ligatures / PersianTeX .code:n = { \tl_set:Nn \l__fontspec_mapping_tl {persian-tex-text}
3088   Ligatures / PersianTeXOff .code:n = { \tl_clear:N \l__fontspec_mapping_tl },
3089   Ligatures / PersianTeXReset .code:n = { \tl_clear:N \l__fontspec_mapping_tl },
3090 }

```



```

3091
3092 \keys_define:nm {fontspec-aat}
3093 {
3094   Ligatures / PersianTeX .code:n =
3095   {
3096     \tl_set:Nn \l__fontspec_mapping_tl { persian-tex-text }
3097   }
3098 }
3099
3100 \keys_define:nm {fontspec-opentype}
3101 {
3102   Ligatures / PersianTeXNoNumbers .code:n = { \tl_set:Nn \l__fontspec_mapping_tl {persian-t
3103   Ligatures / PersianTeXNoNumbersOff .code:n = { \tl_clear:N \l__fontspec_mapping_tl },
3104   Ligatures / PersianTeXNoNumbersReset .code:n = { \tl_clear:N \l__fontspec_mapping_tl },
3105 }
3106
3107 \keys_define:nm {fontspec-aat}
3108 {
3109   Ligatures / PersianTeXNoNumbers .code:n =
3110   {
3111     \tl_set:Nn \l__fontspec_mapping_tl { persian-tex-text-nonnumbers }
3112   }
3113 }
3114
3115 \DeclareDocumentCommand \settextfont { 0{ } m 0{ } }
3116 {
3117   \__xepersian_main_settextfont:nn {#1,#3} {#2}
3118   \ignorespaces
3119 }
3120 \cs_new:Nn \__xepersian_main_settextfont:nn
3121 {
3122   \fontspec_set_family:Nnn \l__fontspec_persianfont_family_tl {RawFeature={script=arab},Ligat
3123   \tl_set_eq:NN \rmdefault \l__fontspec_persianfont_family_tl
3124   \use:x { \exp_not:n { \DeclareRobustCommand \persianfont }
3125   {
3126     \exp_not:N \fontencoding { \g__fontspec_nfss_enc_tl }
3127     \exp_not:N \fontfamily { \l__fontspec_persianfont_family_tl }
3128     \exp_not:N \selectfont
3129   }
3130 }
3131 \str_if_eq:eeT {\familydefault} {\rmdefault}
3132 { \tl_set_eq:NN \encodingdefault \g__fontspec_nfss_enc_tl }
3133 \__xepersian_settextfont_hook:nn {#1} {#2}
3134 \normalfont
3135 }
3136
3137 \cs_set_eq:NN \__xepersian_settextfont_hook:nn \use_none:nn
3138
3139 \DeclareDocumentCommand \settextdigitfont { 0{ } m 0{ } }
3140 {
3141   \__xepersian_main_settextdigitfont:nn {#1,#3} {#2}
3142   \ignorespaces
3143 }
3144 \cs_new:Nn \__xepersian_main_settextdigitfont:nn

```





```

3145 {
3146 \fontspec_set_family:Nnn \l__fontspec_textdigitfont_family_tl {Ligatures=PersianTeX,#1} {#2}
3147 \use:x
3148 {
3149 \exp_not:n { \DeclareRobustCommand \xepersian@textdigitfont }
3150 {
3151 \exp_not:N \fontfamily { \l__fontspec_textdigitfont_family_tl }
3152 \exp_not:N \fontencoding { \g__fontspec_nfss_enc_tl }
3153 \exp_not:N \selectfont
3154 }
3155 }
3156 \__xepersian_settextdigitfont_hook:nn {#1} {#2}
3157 \XeTeXinterchartoks \e@alloc@intercharclass@top \bidi@digits@charclass = {\xepersian@@start@switch@textdigitfont}
3158 \XeTeXinterchartoks \bidi@digits@charclass \e@alloc@intercharclass@top = {\xepersian@@stop@switch@textdigitfont}
3159 \XeTeXinterchartoks \z@ \bidi@digits@charclass = {\xepersian@@start@switch@textdigitfont}
3160 \XeTeXinterchartoks \bidi@digits@charclass \z@ = {\xepersian@@stop@switch@textdigitfont}
3161 \XeTeXinterchartoks \bidi@digits@charclass \bidi@sepmark@charclass = {\xepersian@@stop@switch@textdigitfont}
3162 \XeTeXinterchartoks \bidi@sepmark@charclass \bidi@digits@charclass = {\DigitsDotDashInter}
3163 \if@bidi@csundef{xepersian@dualjoiner}{}{%
3164 \XeTeXinterchartoks \xepersian@dualjoiner \bidi@digits@charclass = {\xepersian@@start@switch@textdigitfont}
3165 \XeTeXinterchartoks \bidi@digits@charclass \xepersian@dualjoiner = {\xepersian@@stop@switch@textdigitfont}
3166 \XeTeXinterchartoks \xepersian@lam \bidi@digits@charclass = {\xepersian@@start@switch@textdigitfont}
3167 \XeTeXinterchartoks \bidi@digits@charclass \xepersian@lam = {\xepersian@@stop@switch@textdigitfont}
3168 \XeTeXinterchartoks \xepersian@alef \bidi@digits@charclass = {\xepersian@@start@switch@textdigitfont}
3169 \XeTeXinterchartoks \bidi@digits@charclass \xepersian@alef = {\xepersian@@stop@switch@textdigitfont}
3170 \XeTeXinterchartoks \xepersian@rightjoiner \bidi@digits@charclass = {\xepersian@@start@switch@textdigitfont}
3171 \XeTeXinterchartoks \bidi@digits@charclass \xepersian@rightjoiner = {\xepersian@@stop@switch@textdigitfont}
3172 }
3173 }
3174
3175 \newcommand*{\xepersian@@start@switch@textdigitfont}{\ifx\f@family\ttdefault\else\if@nonlatin
3176 \newcommand*{\xepersian@@stop@switch@textdigitfont}{\ifx\f@family\ttdefault\else\if@nonlatin
3177
3178 \cs_set_eq:NN \__xepersian_settextdigitfont_hook:nn \use_none:nn
3179
3180 \DeclareDocumentCommand \setdigitfont { 0{} m 0{} }
3181 {
3182 \__xepersian_main_settextdigitfont:nn {#1,#3} {#2}
3183 \__xepersian_main_setmathdigitfont:nn {#1,#3} {#2}
3184 \ignorespaces
3185 }
3186
3187
3188 \DeclareDocumentCommand \setlatintextfont { 0{} m 0{} }
3189 {
3190 \__xepersian_main_setlatintextfont:nn {#1,#3} {#2}
3191 \ignorespaces
3192 }
3193 \cs_new:Nn \__xepersian_main_setlatintextfont:nn
3194 {
3195 \fontspec_set_family:Nnn \l__fontspec_latinfont_family_tl {Ligatures=TeX,#1} {#2}
3196 \use:x { \exp_not:n { \DeclareRobustCommand \latinfont }
3197 {
3198 \exp_not:N \fontencoding { \g__fontspec_nfss_enc_tl }

```



```

3199   \exp_not:N \fontfamily { \l__fontspec_latinfont_family_tl }
3200   \exp_not:N \selectfont
3201   }
3202 }
3203 \str_if_eq:eeT {\familydefault} {\rmdefault}
3204   { \tl_set_eq:NN \encodingdefault \g__fontspec_nfss_enc_tl }
3205   \__xepersian_setlatintextfont_hook:nn {#1} {#2}
3206   \normalfont
3207 }
3208
3209 \cs_set_eq:NN \__xepersian_setlatintextfont_hook:nn \use_none:nn
3210
3211 \tl_set_eq:NN \setlatinsansfont \setsansfont
3212 \tl_set_eq:NN \setlatinmonofont \setmonofont
3213
3214 \DeclareDocumentCommand \defpersianfont { m O{} m O{} }
3215 {
3216   \__xepersian_main_defpersianfont:NnnN #1 {#2,#4} {#3}
3217   \NewDocumentCommand
3218 }
3219 \DeclareDocumentCommand \reddefpersianfont { m O{} m O{} }
3220 {
3221   \__xepersian_main_defpersianfont:NnnN #1 {#2,#4} {#3}
3222   \RenewDocumentCommand
3223 }
3224 \cs_new:Nn \__xepersian_main_defpersianfont:NnnN
3225 {
3226   \fontspec_set_family:cnn { l__fontspec_ \cs_to_str:N #1 _family_tl } {RawFeature={script=ar
3227   \use:x
3228   {
3229     \exp_not:N #4 \exp_not:N #1 {}
3230     {
3231       \exp_not:N \fontfamily { \use:c {l__fontspec_ \cs_to_str:N #1 _family_tl } }
3232       \exp_not:N \fontencoding { \g__fontspec_nfss_enc_tl }
3233       \exp_not:N \selectfont
3234     }
3235   }
3236 }
3237
3238 \DeclareDocumentCommand \deflatinfont { m O{} m O{} }
3239 {
3240   \__xepersian_main_deflatinfont:NnnN #1 {#2,#4} {#3}
3241   \NewDocumentCommand
3242 }
3243 \DeclareDocumentCommand \reddeflatinfont { m O{} m O{} }
3244 {
3245   \__xepersian_main_deflatinfont:NnnN #1 {#2,#4} {#3}
3246   \RenewDocumentCommand
3247 }
3248 \cs_new:Nn \__xepersian_main_deflatinfont:NnnN
3249 {
3250   \fontspec_set_family:cnn { l__fontspec_ \cs_to_str:N #1 _family_tl } {Ligatures=TeX,#2} {#3
3251   \use:x
3252   {

```



```

3253 \exp_not:N #4 \exp_not:N #1 {}
3254 {
3255   \exp_not:N \fontfamily { \use:c {l__fontspec_ \cs_to_str:N #1 _family_tl } }
3256   \exp_not:N \fontencoding { \g__fontspec_nfss_enc_tl }
3257   \exp_not:N \selectfont
3258 }
3259 }
3260 }
3261
3262 \newcommand\persiansfdefault{}
3263 \newcommand\persianttdefault{}
3264 \newcommand\iranicsfdefault{}
3265 \newcommand\navarsfdefault{}
3266 \newcommand\pooksfdefault{}
3267 \newcommand\sayehsfdefault{}
3268 \DeclareRobustCommand\persiansffamily
3269   {\not@math@alphabet\persiansffamily\mathpersiansf
3270   \fontfamily\persiansfdefault\selectfont}
3271 \DeclareRobustCommand\persianttfamily
3272   {\not@math@alphabet\persianttfamily\mathpersiantt
3273   \fontfamily\persianttdefault\selectfont}
3274 \DeclareRobustCommand\iranicsfamily
3275   {\not@math@alphabet\iranicsfamily\mathiranics
3276   \fontfamily\iranicsfdefault\selectfont}
3277 \DeclareRobustCommand\navarsfamily
3278   {\not@math@alphabet\navarsfamily\mathnavar
3279   \fontfamily\navarsfdefault\selectfont}
3280 \DeclareRobustCommand\pooksfamily
3281   {\not@math@alphabet\pooksfamily\mathpook
3282   \fontfamily\pooksfdefault\selectfont}
3283 \DeclareRobustCommand\sayehsfamily
3284   {\not@math@alphabet\sayehsfamily\mathsayeh
3285   \fontfamily\sayehsfdefault\selectfont}
3286 \DeclareTextFontCommand{\textpersiansf}{\persiansffamily}
3287 \DeclareTextFontCommand{\textpersiantt}{\persianttfamily}
3288 \DeclareTextFontCommand{\textiranics}{\iranicsfamily}
3289 \DeclareTextFontCommand{\textnavar}{\navarsfamily}
3290 \DeclareTextFontCommand{\textpook}{\pooksfamily}
3291 \DeclareTextFontCommand{\textsayeh}{\sayehsfamily}
3292
3293 \DeclareDocumentCommand \setpersiansansfont { 0{} m 0{} }
3294 {
3295   \__xepersian_main_setpersiansansfont:nn {#1,#3} {#2}
3296   \ignorespaces
3297 }
3298 \cs_new:Nn \__xepersian_main_setpersiansansfont:nn
3299 {
3300   \fontspec_set_family:Nnn \l__fontspec_persiansffamily_family_tl {RawFeature={script=arab},L
3301   \tl_set_eq:NN \persiansfdefault \l__fontspec_persiansffamily_family_tl
3302   \use:x { \exp_not:n { \DeclareRobustCommand \persiansffamily }
3303   {
3304     \exp_not:N \fontencoding { \g__fontspec_nfss_enc_tl }
3305     \exp_not:N \fontfamily { \l__fontspec_persiansffamily_family_tl }
3306     \exp_not:N \selectfont

```



```

3307 }
3308 }
3309 \str_if_eq:eeT {\familydefault} {\persiansfdefault}
3310 { \tl_set_eq:NN \encodingdefault \g__fontspec_nfss_enc_tl }
3311 \__xepersian_setpersiansansfont_hook:nn {#1} {#2}
3312 \normalfont
3313 }
3314
3315 \cs_set_eq:NN \__xepersian_setpersiansansfont_hook:nn \use_none:nn
3316
3317 \DeclareDocumentCommand \setpersianmonofont { 0{} m 0{} }
3318 {
3319   \__xepersian_main_setpersianmonofont:nn {#1,#3} {#2}
3320   \ignorespaces
3321 }
3322 \cs_new:Nn \__xepersian_main_setpersianmonofont:nn
3323 {
3324   \fontspec_set_family:Nnn \l__fontspec_persianttfamily_family_tl {RawFeature={script=arab},Ligat
3325   \tl_set_eq:NN \persianttdefault \l__fontspec_persianttfamily_family_tl
3326   \use:x { \exp_not:n { \DeclareRobustCommand \persianttfamily }
3327     {
3328       \exp_not:N \fontencoding { \g__fontspec_nfss_enc_tl }
3329       \exp_not:N \fontfamily { \l__fontspec_persianttfamily_family_tl }
3330       \exp_not:N \selectfont
3331     }
3332   }
3333   \str_if_eq:eeT {\familydefault} {\persianttdefault}
3334   { \tl_set_eq:NN \encodingdefault \g__fontspec_nfss_enc_tl }
3335   \__xepersian_setpersianmonofont_hook:nn {#1} {#2}
3336   \normalfont
3337 }
3338
3339 \cs_set_eq:NN \__xepersian_setpersianmonofont_hook:nn \use_none:nn
3340
3341 \DeclareDocumentCommand \setnavarfont { 0{} m 0{} }
3342 {
3343   \__xepersian_main_setnavarfont:nn {#1,#3} {#2}
3344   \ignorespaces
3345 }
3346 \cs_new:Nn \__xepersian_main_setnavarfont:nn
3347 {
3348   \fontspec_set_family:Nnn \l__fontspec_navarfamilly_family_tl {RawFeature={script=arab},Ligat
3349   \tl_set_eq:NN \navardefault \l__fontspec_navarfamilly_family_tl
3350   \use:x { \exp_not:n { \DeclareRobustCommand \navarfamilly }
3351     {
3352       \exp_not:N \fontencoding { \g__fontspec_nfss_enc_tl }
3353       \exp_not:N \fontfamily { \l__fontspec_navarfamilly_family_tl }
3354       \exp_not:N \selectfont
3355     }
3356   }
3357   \str_if_eq:eeT {\familydefault} {\navardefault}
3358   { \tl_set_eq:NN \encodingdefault \g__fontspec_nfss_enc_tl }
3359   \__xepersian_setnavarfont_hook:nn {#1} {#2}
3360   \normalfont

```



```

3361 }
3362
3363 \cs_set_eq:NN \__xepersian_setnavarfont_hook:nn \use_none:nn
3364
3365 \DeclareDocumentCommand \setpookfont { 0{} m 0{} }
3366 {
3367   \__xepersian_main_setpookfont:nn {#1,#3} {#2}
3368   \ignorespaces
3369 }
3370 \cs_new:Nn \__xepersian_main_setpookfont:nn
3371 {
3372   \fontspec_set_family:Nnn \l__fontspec_pookfamily_family_tl {RawFeature={script=arab},Ligatu
3373   \tl_set_eq:NN \pookdefault \l__fontspec_pookfamily_family_tl
3374   \use:x { \exp_not:n { \DeclareRobustCommand \pookfamily }
3375   {
3376     \exp_not:N \fontencoding { \g__fontspec_nfss_enc_tl }
3377     \exp_not:N \fontfamily { \l__fontspec_pookfamily_family_tl }
3378     \exp_not:N \selectfont
3379   }
3380 }
3381 \str_if_eq:eeT {\familydefault} {\pookdefault}
3382 { \tl_set_eq:NN \encodingdefault \g__fontspec_nfss_enc_tl }
3383 \__xepersian_setpookfont_hook:nn {#1} {#2}
3384 \normalfont
3385 }
3386
3387 \cs_set_eq:NN \__xepersian_setpookfont_hook:nn \use_none:nn
3388
3389 \DeclareDocumentCommand \setsayehfont { 0{} m 0{} }
3390 {
3391   \__xepersian_main_setsayehfont:nn {#1,#3} {#2}
3392   \ignorespaces
3393 }
3394 \cs_new:Nn \__xepersian_main_setsayehfont:nn
3395 {
3396   \fontspec_set_family:Nnn \l__fontspec_sayehfamily_family_tl {RawFeature={script=arab},Ligatu
3397   \tl_set_eq:NN \sayehdefault \l__fontspec_sayehfamily_family_tl
3398   \use:x { \exp_not:n { \DeclareRobustCommand \sayehfamily }
3399   {
3400     \exp_not:N \fontencoding { \g__fontspec_nfss_enc_tl }
3401     \exp_not:N \fontfamily { \l__fontspec_sayehfamily_family_tl }
3402     \exp_not:N \selectfont
3403   }
3404 }
3405 \str_if_eq:eeT {\familydefault} {\sayehdefault}
3406 { \tl_set_eq:NN \encodingdefault \g__fontspec_nfss_enc_tl }
3407 \__xepersian_setsayehfont_hook:nn {#1} {#2}
3408 \normalfont
3409 }
3410
3411 \cs_set_eq:NN \__xepersian_setsayehfont_hook:nn \use_none:nn
3412
3413 \DeclareDocumentCommand \setiranicfont { 0{} m 0{} }
3414 {

```



```

3415     \__xepersian_main_setiranicfont:nn {#1,#3} {#2}
3416     \ignorespaces
3417   }
3418 \cs_new:Nn \__xepersian_main_setiranicfont:nn
3419 {
3420   \fontspec_set_family:Nnn \l__fontspec_iranicfamily_family_tl {RawFeature={script=arab},Ligatures={no}}
3421   \tl_set_eq:NN \iranicdefault \l__fontspec_iranicfamily_family_tl
3422   \use:x { \exp_not:n { \DeclareRobustCommand \iranicfamily }
3423     {
3424       \exp_not:N \fontencoding { \g__fontspec_nfss_enc_tl }
3425       \exp_not:N \fontfamily { \l__fontspec_iranicfamily_family_tl }
3426       \exp_not:N \selectfont
3427     }
3428   }
3429   \str_if_eq:eeT {\familydefault} {\iranicdefault}
3430     { \tl_set_eq:NN \encodingdefault \g__fontspec_nfss_enc_tl }
3431   \__xepersian_setiranicfont_hook:nn {#1} {#2}
3432   \normalfont
3433 }
3434
3435 \cs_set_eq:NN \__xepersian_setiranicfont_hook:nn \use_none:nn
3436
3437 \ExplSyntaxOff
3438 \def\resetlatinfont{%
3439 \let\@xepersian@@fontsize@scale\xepersian@@fontsize@scale%
3440 \let\@xepersian@@baselineskip@scale\xepersian@@baselineskip@scale%
3441 \def\xepersian@@fontsize@scale{%
3442 \strip@pt\dimexpr 1pt * \dimexpr
3443 \xepersian@@latin@fontsize@scale pt\relax
3444 / \dimexpr \@xepersian@@fontsize@scale pt\relax\relax
3445 }%
3446 \def\xepersian@@baselineskip@scale{%
3447 \strip@pt\dimexpr 1pt * \dimexpr
3448 \xepersian@@latin@baselineskip@scale pt\relax
3449 / \dimexpr \@xepersian@@baselineskip@scale pt\relax\relax
3450 }%
3451 \@nonlatinfalse%
3452 \let\normalfont\latinfont%
3453 \let\reset@font\normalfont%
3454 \latinfont%
3455 \fontsize\fontsize\font@baselineskip%
3456 \selectfont%
3457 \let\xepersian@@fontsize@scale\xepersian@@latin@fontsize@scale%
3458 \let\xepersian@@baselineskip@scale\xepersian@@latin@baselineskip@scale%
3459 }
3460 \def\setpersianfont{%
3461 \let\@xepersian@@fontsize@scale\xepersian@@fontsize@scale%
3462 \let\@xepersian@@baselineskip@scale\xepersian@@baselineskip@scale%
3463 \let\xepersian@@fontsize@scale\@one%
3464 \let\xepersian@@baselineskip@scale\@one%
3465 \@nonlatintrue%
3466 \let\normalfont\persianfont%
3467 \let\reset@font\normalfont%
3468 \persianfont%

```



```

3469 \fontsize\font@size\font@baselineskip%
3470 \selectfont%
3471 \let\xepersian@@fontsize@scale\xepersian@@fontsize@scale%
3472 \let\xepersian@@baselineskip@scale\xepersian@@baselineskip@scale%
3473 }
3474 \bidi@newrobustcmd*{\lr}[1]{\LRE{\resetlatinfont#1}}
3475 \bidi@newrobustcmd*{\rl}[1]{\RLE{\setpersianfont#1}}
3476 \def\latin{\LTR\LatinAlphs\@RTL@footnotefalse\resetlatinfont}
3477 \def\endlatin{\endLTR}
3478 \newenvironment{latin*}{\latin
3479 \everypar{%
3480   {\setbox\z@\lastbox
3481     \ifvoid\z@
3482       \kern-\parindent
3483     \fi}%
3484   }%
3485 }\endlatin\@endpetrue}
3486 \def\persian{\RTL\PersianAlphs\@RTL@footnotetrue\setpersianfont}
3487 \def\endpersian{\endRTL}
3488 \newenvironment{persian*}{\persian
3489 \everypar{%
3490   {\setbox\z@\lastbox
3491     \ifvoid\z@
3492       \kern-\parindent
3493     \fi}%
3494   }%
3495 }\endpersian\@endpetrue}
3496 \newenvironment{latinitems}{\begin{LTRitems}\LatinAlphs\@RTL@footnotefalse\resetlatinfont}{\end{LTRitems}}
3497 \newenvironment{persianitems}{\begin{RTLitems}\PersianAlphs\@RTL@footnotetrue\setpersianfont}{\end{RTLitems}}
3498 \let\originaltoday=\today
3499 \def\latintoday{\lr{\originaltoday}}
3500 \def\today{\rl{\persiantoday}}
3501 \def \@LTRmarginparreset {%
3502   \reset@font
3503   \resetlatinfont
3504   \normalsize
3505   \@minipagetrue
3506   \everypar{\@minipagefalse\everypar}\beginL}%
3507 }
3508 \DeclareRobustCommand\Latincite{%
3509   \@ifnextchar [{\@tempwatrue\@Latincitex}]{\@tempwafalse\@Latincitex []}}
3510 \def\@Latincitex[#1]#2{\leavevmode
3511   \let\@citea\@empty
3512   \@cite{\lr{\for\@citeb:=#2\do
3513     {\@citea\def\@citea{,\penalty\@m\ }%
3514     \edef\@citeb{\expandafter\@firstofone\@citeb\@empty}}%
3515     \if@filesw\immediate\write\@auxout{\string\citation{\@citeb}}\fi
3516     \@ifundefined{b@\@citeb}{\hbox{\reset@font\bfseries ?}}%
3517     \G@refundefinedtrue
3518     \@latex@warning
3519     {Citation `@\@citeb' on page \thepage \space undefined}}%
3520     {\@citeofmt{\csname b@\@citeb\endcsname}}}}}{#1}}
3521
3522 \renewcommand*{\bidi@font@outputpage}{\if@RTLmain\setpersianfont\else\resetlatinfont\fi}

```



```

3523
3524 \newcount\xepersian@tcl
3525 \newdimen\xepersian@ilg
3526 \newdimen\xepersian@strutilg
3527 \chardef\f@ur=4
3528 \newcommand*{\xepersian@computeautoilg}{% compute the interline glue
3529 \xepersian@tcl=1536\xepersian@ilg\z@\xepersian@strutilg\z@
3530 \loop
3531 \iffontchar\font\xepersian@tcl
3532 \ifdim\xeTeXglyphbounds\tw@ \the\xeTeXcharglyph\xepersian@tcl>\z@
3533 \ifdim\xeTeXglyphbounds\tw@ \the\xeTeXcharglyph\xepersian@tcl>\xepersian@ilg
3534 \xepersian@ilg=\xeTeXglyphbounds\tw@ \the\xeTeXcharglyph\xepersian@tcl
3535 \fi
3536 \else
3537 \ifdim\xeTeXglyphbounds\tw@ \the\xeTeXcharglyph\xepersian@tcl<\z@
3538 \ifdim-\xeTeXglyphbounds\tw@ \the\xeTeXcharglyph\xepersian@tcl>\xepersian@ilg
3539 \xepersian@ilg=-\xeTeXglyphbounds\tw@ \the\xeTeXcharglyph\xepersian@tcl
3540 \fi
3541 \fi
3542 \fi
3543 \ifdim\xeTeXglyphbounds\f@ur \the\xeTeXcharglyph\xepersian@tcl>\z@
3544 \ifdim\xeTeXglyphbounds\f@ur \the\xeTeXcharglyph\xepersian@tcl>\xepersian@strutilg
3545 \xepersian@strutilg=\xeTeXglyphbounds\f@ur \the\xeTeXcharglyph\xepersian@tcl
3546 \fi
3547 \else
3548 \ifdim\xeTeXglyphbounds\f@ur \the\xeTeXcharglyph\xepersian@tcl<\z@
3549 \ifdim-\xeTeXglyphbounds\f@ur \the\xeTeXcharglyph\xepersian@tcl>\xepersian@strutilg
3550 \xepersian@strutilg=-\xeTeXglyphbounds\f@ur \the\xeTeXcharglyph\xepersian@tcl
3551 \fi
3552 \fi
3553 \fi
3554 \fi
3555 \advance\xepersian@tcl\@ne
3556 \ifnum\xepersian@tcl<1792\repeat
3557 \advance\xepersian@strutilg\xepersian@ilg
3558 % \ifdim\xepersian@strutilg>\baselineskip
3559 % \PackageInfo{xepersian}{character with height+depth greater than current baselineskip four
3560 % \PackageInfo{xepersian}{baselineskip changed to that height+depth!}
3561 % \linespread{\strip@pt\dimexpr 1pt * \xepersian@strutilg / \baselineskip\relax}
3562 % \selectfont
3563 % \fi
3564 }
3565
3566 \newif\if@@textdigitfont@on
3567
3568 \newcommand{\TextDigitFontOn}{\@@textdigitfont@ontrue}
3569 \newcommand{\TextDigitFontOff}{\@@textdigitfont@onfalse}
3570
3571 \TextDigitFontOn
3572
3573 \newcommand*\xepersian@setlength[4]{%
3574 \ifdim #2<\ifdim #2=\z@ \z@ \else \p@\fi
3575 \ifdim #3<\ifdim #3=\z@ \z@ \else \p@\fi
3576 \ifdim #4<\ifdim #4=\z@ \z@ \else \p@\fi

```





```

3577         \setlength{#1}{\p@ \@plus\p@ \@minus\p@}%
3578     \else
3579         \setlength{#1}{\p@ \@plus\p@ \@minus#4}%
3580     \fi
3581 \else
3582     \ifdim #4<\ifdim #4=\z@ \z@ \else \p@\fi
3583     \setlength{#1}{\p@ \@plus#3 \@minus\p@}%
3584     \else
3585     \setlength{#1}{\p@ \@plus#3 \@minus#4}%
3586     \fi
3587 \fi
3588 \else
3589     \ifdim #3<\ifdim #3=\z@ \z@ \else \p@\fi
3590     \ifdim #4<\ifdim #4=\z@ \z@ \else \p@\fi
3591     \setlength{#1}{#2 \@plus\p@ \@minus\p@}%
3592     \else
3593     \setlength{#1}{#2 \@plus\p@ \@minus#4}%
3594     \fi
3595     \else
3596     \ifdim #4<\ifdim #4=\z@ \z@ \else \p@\fi
3597     \setlength{#1}{#2 \@plus#3 \@minus\p@}%
3598     \else
3599     \setlength{#1}{#2 \@plus#3 \@minus#4}%
3600     \fi
3601 \fi
3602 \fi
3603 }
3604
3605 \newcommand*{\setfontsize}[2][1.2\@tempdima]{%
3606     \@defaultunits\@tempdima#2pt\relax\@nnil
3607     \setlength{\@tempdimc}{\@tempdima}%
3608     \addtolength{\@tempdimc}{-10\p@}%
3609     \edef\@ptsize{\strip@pt\@tempdimc}%
3610     \@defaultunits\@tempdimb#1pt\relax\@nnil
3611     \setlength{\@tempdimc}{\dimexpr (100\@tempdimb / \@tempdima * \p@)}%
3612     \edef\@tempb{\the\@tempdimc}%
3613     \setlength{\@tempdimc}{\@tempdima}%
3614     \def\@tempa##1##2##3##4##5\@nnil{\def##1{##2.##3##4}}%
3615     \expandafter\@tempa\expandafter\@tempb\@tempb\@nnil%
3616     \xepersian@setlength{\abovedisplayskip}%
3617         {.8333\@tempdimb}{.1667\@tempdimb}{.5\@tempdimb}%
3618     \xepersian@setlength{\abovedisplayshortskip}{\z@}{.25\@tempdimb}{\z@}%
3619     \xepersian@setlength{\belowdisplayshortskip}%
3620         {.5\@tempdimb}{.25\@tempdimb}{.25\@tempdimb}%
3621     \setlength{\belowdisplayskip}{\abovedisplayskip}%
3622     \edef\normalsize{%
3623         \noexpand\setfontsize\noexpand\normalsize
3624         {\the\@tempdima}{\the\@tempdimb}%
3625         \abovedisplayskip \the\abovedisplayskip
3626         \abovedisplayshortskip \the\abovedisplayshortskip
3627         \belowdisplayskip \the\belowdisplayskip
3628         \belowdisplayshortskip \the\belowdisplayshortskip
3629         \let\noexpand\@listi\noexpand\@listI
3630     }%

```



```

3631 \setlength{\@tempdima}{0.9125\@tempdimc}%
3632 \setlength{\@tempdimb}{\@tempb\@tempdima}%
3633 \xepersian@setlength{\abovedisplayskip}%
3634         {.8333\@tempdimb}{.1667\@tempdimb}{.5\@tempdimb}%
3635 \xepersian@setlength{\abovedisplayshortskip}{\z@}{.25\@tempdimb}{\z@}%
3636 \xepersian@setlength{\belowdisplayshortskip}%
3637         {.5\@tempdimb}{.25\@tempdimb}{.25\@tempdimb}%
3638 \setlength{\belowdisplayskip}{\abovedisplayskip}%
3639 \edef\small{%
3640     \noexpand\@setfontsize\noexpand\small
3641     {\the\@tempdima}{\the\@tempdimb}%
3642     \abovedisplayskip \the\abovedisplayskip
3643     \abovedisplayshortskip \the\abovedisplayshortskip
3644     \belowdisplayskip \the\belowdisplayskip
3645     \belowdisplayshortskip \the\belowdisplayshortskip
3646     \let\noexpand\@listi\noexpand\@listi@small
3647 }%
3648 \setlength{\@tempdima}{.83334\@tempdimc}%
3649 \setlength{\@tempdimb}{\@tempb\@tempdima}%
3650 \xepersian@setlength{\abovedisplayskip}%
3651         {.8333\@tempdimb}{.1667\@tempdimb}{.5\@tempdimb}%
3652 \xepersian@setlength{\abovedisplayshortskip}{\z@}{.25\@tempdimb}{\z@}%
3653 \xepersian@setlength{\belowdisplayshortskip}%
3654         {.5\@tempdimb}{.25\@tempdimb}{.25\@tempdimb}%
3655 \setlength{\belowdisplayskip}{\abovedisplayskip}%
3656 \edef\footnotesize{%
3657     \noexpand\@setfontsize\noexpand\footnotesize
3658     {\the\@tempdima}{\the\@tempdimb}%
3659     \abovedisplayskip \the\abovedisplayskip
3660     \abovedisplayshortskip \the\abovedisplayshortskip
3661     \belowdisplayskip \the\belowdisplayskip
3662     \belowdisplayshortskip \the\belowdisplayshortskip
3663     \let\noexpand\@listi\noexpand\@listi@footnotesize
3664 }%
3665 \setlength{\@tempdima}{.66667\@tempdimc}%
3666 \setlength{\@tempdimb}{\@tempb\@tempdima}%
3667 \edef\scriptsize{%
3668     \noexpand\@setfontsize\noexpand\scriptsize
3669     {\the\@tempdima}{\the\@tempdimb}%
3670 }%
3671 \setlength{\@tempdima}{.5\@tempdimc}%
3672 \setlength{\@tempdimb}{\@tempb\@tempdima}%
3673 \edef\tiny{%
3674     \noexpand\@setfontsize\noexpand\tiny
3675     {\the\@tempdima}{\the\@tempdimb}%
3676 }%
3677 \setlength{\@tempdima}{1.2\@tempdimc}%
3678 \setlength{\@tempdimb}{\@tempb\@tempdima}%
3679 \edef\large{%
3680     \noexpand\@setfontsize\noexpand\large
3681     {\the\@tempdima}{\the\@tempdimb}%
3682 }%
3683 \setlength{\@tempdima}{1.44\@tempdimc}%
3684 \setlength{\@tempdimb}{\@tempb\@tempdima}%

```



```

3685 \edef\Large{%
3686   \noexpand\setfontsize\noexpand\Large
3687   {\the\@tempdima}{\the\@tempdimb}%
3688 }%
3689 \setlength{\@tempdima}{1.728\@tempdimc}%
3690 \setlength{\@tempdimb}{\@tempb\@tempdima}%
3691 \edef\LARGE{%
3692   \noexpand\setfontsize\noexpand\LARGE
3693   {\the\@tempdima}{\the\@tempdimb}%
3694 }%
3695 \setlength{\@tempdima}{2.074\@tempdimc}%
3696 \setlength{\@tempdimb}{\@tempb\@tempdima}%
3697 \edef\huge{%
3698   \noexpand\setfontsize\noexpand\huge
3699   {\the\@tempdima}{\the\@tempdimb}%
3700 }%
3701 \setlength{\@tempdima}{2.488\@tempdimc}%
3702 \setlength{\@tempdimb}{\@tempb\@tempdima}%
3703 \edef\Huge{%
3704   \noexpand\setfontsize\noexpand\Huge
3705   {\the\@tempdima}{\the\@tempdimb}%
3706 }%
3707 \normalsize
3708 \setlength{\@tempdimb}{\f@baselineskip}%
3709 \xepersian@setlength{\parsep}%
3710   {.3333\@tempdimb}{.1667\@tempdimb}{.0833\@tempdimb}%
3711 \xepersian@setlength{\topsep}%
3712   {.6667\@tempdimb}{.1667\@tempdimb}{.3333\@tempdimb}%
3713 \@tempswafalse
3714 \begingroup
3715   \def\@list@extra{\aftergroup\@tempswatrue}%
3716   \csname @listi\endcsname
3717 \endgroup
3718 \edef\@listi{\leftmargin\leftmargini
3719   \topsep \the\topsep
3720   \parsep \the\parsep
3721   \itemsep \parsep
3722   \if@tempswa\noexpand\@list@extra\fi
3723 }%
3724 \let\@listI\@listi
3725 \xepersian@setlength{\parsep}%
3726   {.1667\@tempdimb}{.0833\@tempdimb}{.0833\@tempdimb}%
3727 \xepersian@setlength{\topsep}%
3728   {.3333\@tempdimb}{.1667\@tempdimb}{.1667\@tempdimb}%
3729 \@tempswafalse
3730 \begingroup
3731   \def\@list@extra{\aftergroup\@tempswatrue}%
3732   \csname @listi\endcsname
3733 \endgroup
3734 \edef\@listi@small{\leftmargin\leftmargini
3735   \topsep \the\topsep
3736   \parsep \the\parsep
3737   \itemsep \parsep
3738   \if@tempswa\noexpand\@list@extra\fi

```



```

3739 }%
3740 \xepersian@setlength{\parsep}%
3741         {.125\@tempdimb}{.0625\@tempdimb}{.0625\@tempdimb}%
3742 \xepersian@setlength{\topsep}%
3743         {.25\@tempdimb}{.125\@tempdimb}{.125\@tempdimb}
3744 \@tempswafalse
3745 \begingroup
3746 \def\@list@extra{\aftergroup\@tempwattrue}%
3747 \csname @listi\endcsname
3748 \endgroup
3749 \edef\@listi@footnotesize{\leftmargin\leftmargini
3750 \topsep \the\topsep
3751 \parsep \the\parsep
3752 \itemsep \parsep
3753 \if@tempswa\noexpand\@list@extra\fi
3754 }%
3755 \xepersian@setlength{\parsep}%
3756         {.1667\@tempdimb}{.0833\@tempdimb}{.0833\@tempdimb}%
3757 \xepersian@setlength{\topsep}%
3758         {.3333\@tempdimb}{.1667\@tempdimb}{.0833\@tempdimb}%
3759 \@tempswafalse
3760 \begingroup
3761 \def\@list@extra{\aftergroup\@tempwattrue}%
3762 \csname @listii\endcsname
3763 \endgroup
3764 \edef\@listii{\leftmargin\leftmarginii
3765 \labelwidth=\dimexpr \leftmargin-\labelsep
3766 \topsep \the\topsep
3767 \parsep \the\parsep
3768 \itemsep \parsep
3769 \if@tempswa\noexpand\@list@extra\fi
3770 }%
3771 \xepersian@setlength{\topsep}%
3772         {.1667\@tempdimb}{.0833\@tempdimb}{.0833\@tempdimb}%
3773 \setlength{\partopsep}{\z@ \@plus\z@ \@minus\p@}%
3774 \@tempswafalse
3775 \begingroup
3776 \def\@list@extra{\aftergroup\@tempwattrue}%
3777 \csname @listiii\endcsname
3778 \endgroup
3779 \edef\@listiii{\leftmargin\leftmarginiii
3780 \labelwidth=\dimexpr \leftmargin-\labelsep
3781 \topsep \the\topsep
3782 \parsep \z@
3783 \partopsep \the\partopsep
3784 \itemsep \topsep
3785 \if@tempswa\noexpand\@list@extra\fi
3786 }%
3787 \@tempswafalse
3788 \begingroup
3789 \def\@list@extra{\aftergroup\@tempwattrue}%
3790 \csname @listiv\endcsname
3791 \endgroup
3792 \edef\@listiv{\leftmargin\leftmarginiv

```



```

3793   \labelwidth=\dimexpr \leftmargin-\labelsep\relax
3794   \if@tempswa\noexpand\@list@extra\fi
3795 }%
3796 \@tempswafalse
3797 \begingroup
3798   \def\@list@extra{\aftergroup\@tempwattrue}%
3799   \csname @listv\endcsname
3800 \endgroup
3801 \edef\@listv{\leftmargin\leftmarginv
3802   \labelwidth=\dimexpr \leftmargin-\labelsep\relax
3803   \if@tempswa\noexpand\@list@extra\fi
3804 }%
3805 \@tempswafalse
3806 \begingroup
3807   \def\@list@extra{\aftergroup\@tempwattrue}%
3808   \csname @listvi\endcsname
3809 \endgroup
3810 \edef\@listvi{\leftmargin\leftmarginvi
3811   \labelwidth=\dimexpr \leftmargin-\labelsep\relax
3812   \if@tempswa\noexpand\@list@extra\fi
3813 }%
3814 \@listi
3815   \setlength{\@tempdimb}{\f@baselineskip}%
3816   \setlength{\footnotesep}{.555\@tempdimb}%
3817   \xepersian@setlength{\skip\footins}%
3818     {.75\@tempdimb}{.3333\@tempdimb}{.1667\@tempdimb}%
3819   \xepersian@setlength{\floatsep}%
3820     {\@tempdimb}{.1667\@tempdimb}{.1667\@tempdimb}%
3821   \xepersian@setlength{\textfloatsep}%
3822     {1.6667\@tempdimb}{.1667\@tempdimb}{.3333\@tempdimb}%
3823   \setlength{\intextsep}{\floatsep}%
3824   \setlength{\dblfloatsep}{\floatsep}%
3825   \setlength{\dbltextfloatsep}{\textfloatsep}%
3826   \setlength{\@fptop}{\z@ \@plus 1fil}%
3827   \setlength{\@fpsep}{.6667\@tempdimb \@plus 2fil}%
3828   \setlength{\@dblfpot}{\@fptop}%
3829   \setlength{\@dblfpsep}{\@fpsep}%
3830   \setlength{\@dblfpbot}{\@fptop}%
3831   \xepersian@setlength{\partopsep}{.2\@tempdimb}{.1\@tempdimb}{.1\@tempdimb}%
3832 }
3833 }
3834
3835 \renewcommand*{\@bidi@logo}{%
3836   \@bidi@logo@hb@xt@columnwidth
3837   {\hss\bfseries
3838     {\today}   {\TypesetTime}
3839   \textsf{\XePersian}\quad\@bidi@logo{xepersian-logo.pdf}}
3840 }
3841 \renewcommand*{\@bidi@pdfcreator}{%
3842   The xepersian package, v\xepersian@version\space (Release \xepersian@releasename), \xepersian@version
3843 }
3844
3845 \newcommand*{\@xepersian@pdfcustomproperties}{%
3846   This is the xepersian package, Version \xepersian@version\space (Release \xepersian@releasename)

```



```

3847 Released January 8, 2025.
3848 }
3849
3850 \newcommand\twocolumnstableofcontents{%
3851 \if@bidi@csundef{multi@column@out}{%
3852 \PackageError{xepersian}{Oops! you should load multicol package before xepersian package for
3853 \begin{multicols}{2}[\section*{\contentsname}]%
3854 \small
3855 \@starttoc{toc}%
3856 \end{multicols}}
3857 \bidi@newrobustcmd*{\XePersian}{\leavevmode$\smash{\hbox{X}\lower.5ex
3858 \hbox{\kern-.125em\bidi@reflect@box{E}}Persian}}$}
3859 \AtBeginDocument{%
3860 \def\figurename{\if@RTL else\ Figure\fi}%
3861 \def\tablename{\if@RTL else\ Table\fi}%
3862 \def\contentsname{\if@RTL else\ Contents\fi}%
3863 \def\listfigurename{\if@RTL else\ List of Figures\fi}%
3864 \def\listtablename{\if@RTL else\ List of Tables\fi}%
3865 \def\appendixname{\if@RTL else\ Appendix\fi}%
3866 \def\indexname{\if@RTL else\ Index\fi}%
3867 \def\refname{\if@RTL else\ References\fi}%
3868 \def\abstractname{\if@RTL else\ Abstract\fi}%
3869 \def\partname{\if@RTL else\ Part\fi}%
3870 \def\datename{\if@RTL else\ Date:\fi}%
3871 \def\@and{\if@RTL else\ and\fi}%
3872 \def\bibname{\if@RTL else\ Bibliography\fi}%
3873 \def\chaptername{\if@RTL else\ Chapter\fi}%
3874 \def\ccname{\if@RTL else\ cc\fi}%
3875 \def\enclname{\if@RTL else\ encl\fi}%
3876 \def\pagename{\if@RTL else\ Page\fi}%
3877 \def\headtoname{\if@RTL else\ To\fi}%
3878 \def\proofname{\if@RTL else\ Proof\fi}%
3879 }
3880 \def\@Abjad#1{%
3881 \ifcase#1\or or\ or\ or\ %
3882 \or or\ or\ or\ or\ %
3883 \or or\ or\ or\ or\ %
3884 \or or\ or\ or\ %
3885 \or or\ or\ or\ or\ %
3886 \or or\ or\ or\ or\ %
3887 \else\@ctrerr\fi}
3888 \def\Abjad#1{\expandafter\@Abjad\csname c@#1\endcsname}
3889 \let\Abjadnumeral\@Abjad
3890 \def\@harfi#1{\ifcase#1\or or\ or\ or\ or\ or\
3891 or\ or\ or\ or\ or\ or\ or\ or\ or\ or\ or\ or\ or\ or\ or\ or\ or\ or\ or\ or\ or\
3892 or\ or\ or\ or\ or\ or\ or\ or\ or\ {else\@ctrerr\fi}
3893 \def\harfi#1{\expandafter\@harfi\csname c@#1\endcsname}
3894 \let\harfinumeral\@harfi
3895 \newcommand{\adadi}[1]{%
3896 \expandafter\@adadi\csname c@#1\endcsname%
3897 }
3898 \newcommand{\@adadi}[1]{%
3899 \xepersian@numberstring{#1}\xepersian@yekanii{ }{ }%
3900 }

```



```

3901 \let\adadinumeral\@adadi%
3902 \def\xepersian@numberoutrange#1#2{%
3903 \PackageError{xepersian}{The number `#1' is too large %
3904 to be formatted using xepersian}{The largest possible %
3905 number is 999,999,999.}%
3906 }
3907 \def\xepersian@numberstring#1#2#3#4{%
3908 \ifnum\number#1<\@ne%
3909 #3%
3910 \else\ifnum\number#1<1000000000 %
3911 \expandafter\xepersian@adadi\expandafter{\number#1}#2%
3912 \else%
3913 \xepersian@numberoutrange{#1}{#4}%
3914 \fi\fi%
3915 }
3916 \def\xepersian@adadi#1#2{%
3917 \expandafter\xepersian@@adadi%
3918 \ifcase%
3919 \ifnum#1<10 1%
3920 \else\ifnum#1<100 2%
3921 \else\ifnum#1<\@m 3%
3922 \else\ifnum#1<\@M 4%
3923 \else\ifnum#1<100000 5%
3924 \else\ifnum#1<1000000 6%
3925 \else\ifnum#1<10000000 7%
3926 \else\ifnum#1<100000000 8%
3927 \else9%
3928 \fi\fi\fi\fi\fi\fi\fi\fi %
3929 \or00000000#1% case 1: Add 8 leading zeros
3930 \or0000000#1% case 2: Add 7 leading zeros
3931 \or000000#1% case 3: Add 6 leading zeros
3932 \or00000#1% case 4: Add 5 leading zeros
3933 \or0000#1% case 5: Add 4 leading zeros
3934 \or000#1% case 6: Add 3 leading zeros
3935 \or00#1% case 7: Add 2 leading zeros
3936 \or0#1% case 8: Add 1 leading zero
3937 \or#1% case 9: Add no leading zeros
3938 \or%
3939 \@nil#2%
3940 \fi%
3941 }
3942 \def\xepersian@@adadi#1#2#3#4#5#6#7\or#8\@nil#9{%
3943 \ifnum#1#2#3>\z@
3944 \xepersian@milyoongan#1#2#3%
3945 \ifnum#7>\z@\ifnum#4#5#6>\z@\ \else\ \fi\else\ifnum#4#5#6>\z@\ \fi\fi%
3946 \fi%
3947 \ifnum#4#5#6>\z@%
3948 \xepersian@sadgan#4#5#6{#1#2#3}{#4#5}\xepersian@yekani%
3949 \ifnum#4#5#6>\@ne\fi%
3950 %
3951 \ifnum#7>\z@\ \fi%
3952 \fi%
3953 \xepersian@sadgan#7{#4#5#6}#1#9%
3954 }

```



```

3955 \def\xepersian@milyoongan#1#2#3{%
3956 \ifnum#1#2#3=\@ne%
3957 \xepersian@sadgan#1#2#301\xepersian@yekanii%
3958 %
3959 %
3960 \else%
3961 \xepersian@sadgan#1#2#301\xepersian@yekanii%
3962 %
3963 %
3964 \fi%
3965 }
3966 \def\xepersian@sadgan#1#2#3#4#5#6{%
3967 \ifnum#1>\z@%
3968 \ifnum#4#1>\@ne\xepersian@yekaniv#1\fi%
3969 %
3970 \ifnum#2#3>\z@\ \fi%
3971 \fi%
3972 \ifnum#2#3<20%
3973 \ifnum#5#2#3>\@ne#6{#2#3}\fi%
3974 \else%
3975 \xepersian@dahgan#2%
3976 \ifnum#3>\z@\ \xepersian@yekani#3\fi%
3977 #60%
3978 \fi%
3979 }
3980 \def\xepersian@yekani#1{%
3981 \ifcase#1\@empty\or or\ or\ or\ or\ or\ %
3982 \or or\ or\ or\ or\ or\ or\ %
3983 \or or\ or\ or\ %
3984 \or or\ %fi\
3985 }
3986 \def\xepersian@yekanii#1{%
3987 \ifcase#1\@empty\or %else\xepersian@yekani{#1}\fi\
3988 }
3989 \def\xepersian@yekanii#1{%
3990 \ifcase#1\@empty\or %else\xepersian@yekani{#1}\fi\
3991 }
3992 \def\xepersian@yekaniv#1{%
3993 \ifcase#1\@empty\or\or or\ or\ or\ or\ %
3994 \or or\ or\ %fi\
3995 }
3996 \def\xepersian@dahgan#1{%
3997 \ifcase#1\or\or or\ or\ %
3998 \or or\ or\ or\ %
3999 \or %fi\
4000 }
4001 \newcommand{\tartibi}[1]{%
4002 \expandafter\@tartibi\csname c@#1\endcsname%
4003 }
4004 \newcommand{\@tartibi}[1]{%
4005 \xepersian@numberstring@tartibi{#1}\xepersian@tartibi{ }{ }%
4006 }
4007 \let\tartibinumeral\@tartibi%
4008 \def\xepersian@numberstring@tartibi#1#2#3#4{%

```





```

4009 \ifnum\number#1<\@ne%
4010 #3%
4011 \else\ifnum\number#1<100000000 %
4012 \expandafter\xepersian@adadi@tartibi\expandafter{\number#1}#2%
4013 \else%
4014 \xepersian@numberoutofrange{#1}{#4}%
4015 \fi\fi%
4016 }
4017 \def\xepersian@adadi@tartibi#1#2{%
4018 \expandafter\xepersian@@adadi@tartibi%
4019 \ifcase%
4020 \ifnum#1<10 1%
4021 \else\ifnum#1<100 2%
4022 \else\ifnum#1<\@m 3%
4023 \else\ifnum#1<\@M 4%
4024 \else\ifnum#1<100000 5%
4025 \else\ifnum#1<1000000 6%
4026 \else\ifnum#1<10000000 7%
4027 \else\ifnum#1<100000000 8%
4028 \else9%
4029 \fi\fi\fi\fi\fi\fi\fi\fi %
4030 \or00000000#1% case 1: Add 8 leading zeros
4031 \or0000000#1% case 2: Add 7 leading zeros
4032 \or000000#1% case 3: Add 6 leading zeros
4033 \or00000#1% case 4: Add 5 leading zeros
4034 \or0000#1% case 5: Add 4 leading zeros
4035 \or000#1% case 6: Add 3 leading zeros
4036 \or00#1% case 7: Add 2 leading zeros
4037 \or0#1% case 8: Add 1 leading zero
4038 \or#1% case 9: Add no leading zeros
4039 \or%
4040 \@nil#2%
4041 \fi%
4042 }
4043 \def\xepersian@@adadi@tartibi#1#2#3#4#5#6#7\or#8\@nil#9{%
4044 \ifnum#1#2#3>\z@
4045 \xepersian@milyoongan@tartibi#1#2#3%
4046 \ifnum#7>\z@\ifnum#4#5#6>\z@\ \else\ \fi\else\ifnum#4#5#6>\z@\ \fi\fi%
4047 \fi%
4048 \ifnum#4#5#6>\z@%
4049 \xepersian@sadgan#4#5#6{#1#2#3}{#4#5}\xepersian@yekani%
4050 \ifnum#4#5#6>\@ne \fi%
4051 %
4052 \ifnum#7>\z@\ \fi%
4053 \fi%
4054 \xepersian@sadgan@tartibi#7{#4#5#6}1#9%
4055 }
4056 \def\xepersian@milyoongan@tartibi#1#2#3{%
4057 \ifnum#1#2#3=\@ne%
4058 \xepersian@sadgan@tartibi#1#2#301\xepersian@yekanii%
4059 %
4060 %
4061 \else%
4062 \xepersian@sadgan#1#2#301\xepersian@yekanii%

```



```

4063 %
4064 %
4065 \fi%
4066 }
4067 \def\xepersian@sadgan@tartibi#1#2#3#4#5#6{%
4068 \ifnum#1>\z@%
4069 \ifnum#4#1>\@ne\xepersian@yekaniv#1\fi%
4070 %
4071 \ifnum#2#3>\z@ \fi%
4072 \fi%
4073 \ifnum#2#3<20%
4074 \ifnum#5#2#3>\@ne\ifnum#1#2#3#4#5=10001 %else#6{#2#3}\fi\fi\
4075 \else%
4076 \ifnum#2#3=30%
4077 \xepersian@dahgan@tartibi#2%
4078 \else%
4079 \xepersian@dahgan#2%
4080 \fi%
4081 \ifnum#3>\z@ \xepersian@yekanv#3\fi%
4082 #60%
4083 \fi%
4084 }
4085 \def\xepersian@dahgan@tartibi#1{%
4086 \ifcase#1\or\or\or\or\ %
4087 \or\or\or\or\or\ %
4088 \or\ %fi\
4089 }
4090 \def\xepersian@tartibi#1{%
4091 \ifcase#1\or\or\or\or\ %
4092 \or\or\or\or\or\ %
4093 \or\or\or\or\ %
4094 \or\or\or\ %
4095 \or\or\or\ %fi\
4096 }
4097 \def\xepersian@yekanv#1{%
4098 \ifcase#1\@empty\or\or\or\or\or\or\ %
4099 \or\or\or\or\or\or\or\ %
4100 \or\or\or\or\ %
4101 \or\or\ %fi\
4102 }
4103 \providecommand*\xpg@warning}[1]{%
4104 \PackageWarning{XePersian}%
4105 {#1}}
4106 \if@bidi@csundef{@abjad}{%
4107 \def@abjad#1{%
4108 \ifnum#1>1999 \xpg@warning{Illegal value (#1) for abjad numeral} {#1}
4109 \else
4110 \ifnum#1<\z@\space\xpg@warning{Illegal value (#1) for abjad numeral}%
4111 \else
4112 \ifnum#1<10\expandafter\abj@num@i\number#1%
4113 \else
4114 \ifnum#1<100\expandafter\abj@num@ii\number#1%
4115 \else
4116 \ifnum#1<\@m\expandafter\abj@num@iii\number#1%

```



```

4117         \else
4118             \ifnum#1<\@M\expandafter\abj@num@iv\number#1%since #1<2000, we must have 1000
4119             \fi
4120         \fi
4121     \fi
4122 \fi
4123 \fi
4124 \fi
4125 }
4126 \def\abjad#1{\expandafter\@abjad\csname c@#1\endcsname}
4127 \let\abjadnumeral\@abjad
4128 \def\abjad@zero{}
4129 \def\abj@num@i#1{%
4130     \ifcase#1\or or\ or\ or\ %
4131         \or or\ or\ or\ or\ fi\
4132     \ifnum#1=\z@\abjad@zero\fi}
4133 \def\abj@num@ii#1{%
4134     \ifcase#1\or or\ or\ or\ or\ %
4135         \or or\ or\ or\ fi\
4136     \ifnum#1=\z@\fi\abj@num@i}
4137 \def\abj@num@iii#1{%
4138     \ifcase#1\or or\ or\ or\ or\ %
4139         \or or\ or\ or\ fi\
4140     \ifnum#1=\z@\fi\abj@num@ii}
4141 \def\abj@num@iv#1{%
4142     \ifcase#1\or fi\
4143     \ifnum#1=\z@\fi\abj@num@iii}
4144 }{}
4145 \let\@latinalph\@alph%
4146 \let\@latinAlph\@Alph%
4147 \def\LatinAlphs{%
4148     \let\@alph\@latinalph%
4149     \let\@Alph\@latinAlph%
4150 }
4151 \def\thempfootnote{\itshape\@latinalph\c@mpfootnote}
4152 \renewcommand*\bidi@thebibliography@font@hook{%
4153     \ifLTRbibitems
4154         \resetlatinfont
4155     \fi}
4156 \bidi@AfterEndPreamble{%
4157     \if@bidi@csundef{persianfont}{%
4158     \PackageError{xepersian}{You have not specified any font\MessageBreak
4159     for the main Persian text}{Use ``\settextfont' to load a font.}%
4160 }{}}
4161
4162 \ApplyPatchToFiles{%
4163     footnote-xetex-bidi, %
4164     extrafootnotefeatures-xetex-bidi %
4165 }[def][xepersian]
4166
4167 \ApplyPatchToClasses{%
4168     article, %
4169     amsart, %
4170     amsbook, %

```



```

4171  artikel1, %
4172  artikel2, %
4173  artikel3, %
4174  beamer, %
4175  bidimoderncv, %
4176  boek, %
4177  boek3, %
4178  book, %
4179  bookest, %
4180  extbook, %
4181  extarticle, %
4182  extreport, %
4183  imspdoc, %
4184  memoir, %
4185  rapport1, %
4186  rapport3, %
4187  refrep, %
4188  report, %
4189  scrartcl, %
4190  scrbook, %
4191  scrreprt %
4192 }[xepersian]
4193
4194 \ApplyPatchToPackages{%
4195  algorithm, %
4196  algorithmic, %
4197  appendix, %
4198  backref, %
4199  beamerbasetranslator, %
4200  bibtuftsidenote, %
4201  breqn, %
4202  enumerate, %
4203  enumitem, %
4204  fancyref, %
4205  framed, %
4206  glossaries, %
4207  hyperref, %
4208  listings, %
4209  minitoc, %
4210  natbib, %
4211  soul, %
4212  tkz-linknodes, %
4213  tocloft, %
4214  url, %
4215  varioref %
4216 }[xepersian]
4217
4218 \newtoks\xepersian@toks
4219 \def\xepersian@tempa#1{%
4220 \long\def\xepersian@@sp@def##1##2{%
4221  \futurelet\xepersian@resa\xepersian@@sp@d##2\@nil\@nil#1\@nil\relax##1}%
4222 \long\def\xepersian@@sp@d{%
4223  \ifx\xepersian@resa\@sptoken
4224  \expandafter\xepersian@@sp@b

```



```

4225 \else
4226 \expandafter\xepersian@@sp@b\expandafter#1%
4227 \fi}%
4228 \long\def\xepersian@@sp@b#1##1 \@nil{\xepersian@@sp@c##1}%
4229 }
4230 \xepersian@tempa{ }
4231 \long\def\xepersian@@sp@c#1\@nil#2\relax#3{\xepersian@toks{#1}\edef#3{\the\xepersian@toks}}
4232 \def\xepersian@@fontsize@branch#1{%
4233 \@tempcnta\z@
4234 \@for\xepersian@tmp:=#1\do{%
4235 \xepersian@@sp@def\xepersian@frag{\xepersian@tmp}%
4236 \ifcase\@tempcnta\relax% cnta == 0
4237 \edef\xepersian@value{\xepersian@frag}%
4238 \setfontsize{\xepersian@frag}%
4239 \or% cnta == 1
4240 \setfontsize[\xepersian@frag]{\xepersian@value}%
4241 \else\fi
4242 \advance\@tempcnta\@ne}%
4243 }
4244
4245 \bidi@patchcmd{\set@fontsize}{\@tempdimb#2pt}{%
4246 \@tempdimb\xepersian@@fontsize@scale\dimexpr#2pt\relax
4247 }{}{}
4248
4249 \bidi@patchcmd{\set@fontsize}{\@tempkipa#3pt}{%
4250 \@tempkipa\xepersian@@baselineskip@scale\dimexpr#3pt\relax
4251 }{}{}
4252
4253
4254 \newcommand*\xepersian@@update@math@fontsize}[1]{%
4255 \strip@pt\dimexpr\xepersian@@math@fontsize@scale
4256 \dimexpr 1pt * \dimexpr #1 pt\relax /
4257 \dimexpr \xepersian@@fontsize@scale pt\relax
4258 \relax\relax
4259 }
4260
4261 \bidi@patchcmd{\getanddefine@fonts}{%
4262 \xdef\font@name{\csname \string#2/\tf@size\endcsname}%
4263 }{%
4264 \xdef\font@name{\csname \string#2/\xepersian@@update@math@fontsize\tf@size\endcsname}%
4265 }{}{}
4266
4267 \bidi@patchcmd{\getanddefine@fonts}{%
4268 \xdef\font@name{\csname \string#2/\sf@size\endcsname}%
4269 }{%
4270 \xdef\font@name{\csname \string#2/\xepersian@@update@math@fontsize\sf@size\endcsname}%
4271 }{}{}
4272
4273 \bidi@patchcmd{\getanddefine@fonts}{%
4274 \xdef\font@name{\csname \string#2/\ssf@size\endcsname}%
4275 }{%
4276 \xdef\font@name{\csname \string#2/\xepersian@@update@math@fontsize\ssf@size\endcsname}%
4277 }{}{}
4278

```



```

4279
4280 \if@xepersian@computeautoilg
4281 \bidi@patchcmd{\set@fontsize}{%
4282 \baselineskip\f@baselineskip\relax
4283 }f%
4284 \baselineskip\f@baselineskip\relax
4285 \xepersian@computeautoilg
4286 \ifdim\xepersian@strutilg>\baselineskip
4287 \PackageInfo{xepersian}{character with height+depth greater than current baselineskip found}
4288 \PackageInfo{xepersian}{baselineskip changed to that height+depth!}%
4289 \baselineskip\xepersian@strutilg
4290 \ifdim\footnotesep=.7\baselineskip
4291 \else
4292 \footnotesep.7\baselineskip
4293 \fi
4294 \fi
4295 }{}{}
4296 \fi
4297
4298 \AtEndOfPackage{%
4299 \setlatintextfont[%
4300 Path,%
4301 BoldFont={lmroman10-bold},%
4302 BoldItalicFont={lmroman10-bolditalic},%
4303 ItalicFont={lmroman10-italic},%
4304 SmallCapsFont={lmromancaps10-regular},%
4305 SlantedFont={lmromanslant10-regular},%
4306 BoldSlantedFont={lmromanslant10-bold}%
4307 ]{lmroman10-regular}
4308 }
4309 \PersianAlphs

```

## 61 File xepersian-magazine.cls

```

4310 \NeedsTeXFormat{LaTeX2e}
4311 \ProvidesClass{xepersian-magazine}[2010/07/25 v0.2 Typesetting Persian magazines in XeLaTeX]
4312 \RequirePackage{ifthen}
4313 \newlength{\xepersian@imgsize}
4314 \newlength{\xepersian@coltitsize}
4315 \newlength{\xepersian@pageneed}
4316 \newlength{\xepersian@pageleft}
4317 \newlength{\xepersian@indexwidth}
4318 \newcommand{\xepersian@ncolumns}{0}
4319 \newlength{\columnlines}
4320 \setlength{\columnlines}{0 pt} % no lines by default
4321 \newboolean{xepersian@hyphenatedtitles}
4322 \setboolean{xepersian@hyphenatedtitles}{true}
4323 \newboolean{xepersian@ninepoints}
4324 \setboolean{xepersian@ninepoints}{false}
4325 \newboolean{xepersian@showgrid}
4326 \setboolean{xepersian@showgrid}{false}
4327 \newboolean{xepersian@a3paper}
4328 \setboolean{xepersian@a3paper}{false}
4329 \newboolean{xepersian@insidefrontpage}

```



```

4330 \setboolean{xepersian@insidefrontpage}{false}
4331 \newboolean{xepersian@insideweather}
4332 \setboolean{xepersian@insideweather}{false}
4333 \newboolean{xepersian@insideindex}
4334 \setboolean{xepersian@insideindex}{false}
4335 \newcount\xepersian@gridrows
4336 \newcount\xepersian@gridcolumns
4337 \xepersian@gridrows=40
4338 \xepersian@gridcolumns=50
4339 \newcount\minraggedcols
4340 \minraggedcols=5
4341 \DeclareOption{10pt}{\PassOptionsToClass{10pt}{article}}
4342 \DeclareOption{11pt}{\PassOptionsToClass{11pt}{article}}
4343 \DeclareOption{12pt}{\PassOptionsToClass{12pt}{article}}
4344 \DeclareOption{twocolumn}%
4345 {\ClassWarning{xepersian-magazine}{Option 'twocolumn' not available for xepersian-magazine.}}
4346 \DeclareOption{notitlepage}%
4347 {\ClassWarning{xepersian-magazine}{Option 'notitlepage' not available for xepersian-magazine.}}
4348 \DeclareOption{twoside}%
4349 {\ClassWarning{xepersian-magazine}{Option 'twoside' not available for xepersian-magazine.}}
4350 \DeclareOption{9pt}{\setboolean{xepersian@ninepoints}{true}}
4351 \DeclareOption{hyphenatedtitles}{\setboolean{xepersian@hyphenatedtitles}{false}}
4352 \DeclareOption{columnlines}{\setlength{columnlines}{0.1 pt}}
4353 \DeclareOption{showgrid}{\setboolean{xepersian@showgrid}{true}}
4354 \DeclareOption{a3paper}{\setboolean{xepersian@a3paper}{true}}
4355 \ProcessOptions\relax
4356 \LoadClass[10pt, onecolumn, titlepage, a4paper]{article}
4357 \RequirePackage{ifxetex}
4358 \RequirePackage{multido}
4359 \RequirePackage{datetime}
4360 \RequirePackage{multicol}
4361 \RequirePackage{fancyhdr}
4362 \RequirePackage{fancybox}
4363 \ifthenelse{\boolean{xepersian@a3paper}}{%
4364 \RequirePackage[a3paper,headsep=0.5cm,vmargin={2cm,2cm},hmargin={1.5cm,1.5cm}]{geometry}
4365 }{
4366 \RequirePackage[headsep=0.5cm,vmargin={2cm,2cm},hmargin={1.5cm,1.5cm}]{geometry}
4367 }
4368 \RequirePackage[absolute]{textpos} % absolute positioning
4369 \RequirePackage{hyphenat} % when hyphenate
4370 \RequirePackage{lastpage} % to know the last page number
4371 \RequirePackage{setspace} % set space between lines
4372 \RequirePackage{ragged2e}
4373 \newcommand{\raggedFormat}{\RaggedLeft}
4374 \AtEndOfClass{\xepersian@Init}
4375 \ifthenelse{\boolean{xepersian@showgrid}}{%
4376 \AtBeginDocument{
4377 \grid[show]{\xepersian@gridrows}{\xepersian@gridcolumns}}
4378 \advance\minraggedcols by -1
4379 }{%
4380 \AtBeginDocument{
4381 \grid[]{\xepersian@gridrows}{\xepersian@gridcolumns}}
4382 \advance\minraggedcols by -1
4383 }

```



```

4384 \ifthenelse{\boolean{xepersian@ninepoints}}{
4385 \renewcommand{\normalsize}{%
4386   \@setfontsize{\normalsize}{9pt}{10pt}%
4387   \setlength{\abovedisplayskip}{5pt plus 1pt minus .5pt}%
4388   \setlength{\belowdisplayskip}{\abovedisplayskip}%
4389   \setlength{\abovedisplayshortskip}{3pt plus 1pt minus 2pt}%
4390   \setlength{\belowdisplayshortskip}{\abovedisplayshortskip}}
4391
4392 \renewcommand{\tiny}{\@setfontsize{\tiny}{5pt}{6pt}}
4393
4394 \renewcommand{\scriptsize}{\@setfontsize{\scriptsize}{7pt}{8pt}}
4395
4396 \renewcommand{\small}{%
4397   \@setfontsize{\small}{8pt}{9pt}%
4398   \setlength{\abovedisplayskip}{4pt plus 1pt minus 1pt}%
4399   \setlength{\belowdisplayskip}{\abovedisplayskip}%
4400   \setlength{\abovedisplayshortskip}{2pt plus 1pt}%
4401   \setlength{\belowdisplayshortskip}{\abovedisplayshortskip}}
4402
4403 \renewcommand{\footnotesize}{%
4404   \@setfontsize{\footnotesize}{8pt}{9pt}%
4405   \setlength{\abovedisplayskip}{4pt plus 1pt minus .5pt}%
4406   \setlength{\belowdisplayskip}{\abovedisplayskip}%
4407   \setlength{\abovedisplayshortskip}{2pt plus 1pt}%
4408   \setlength{\belowdisplayshortskip}{\abovedisplayshortskip}}
4409
4410 \renewcommand{\large}{\@setfontsize{\large}{11pt}{13pt}}
4411 \renewcommand{\Large}{\@setfontsize{\Large}{14pt}{18pt}}
4412 \renewcommand{\LARGE}{\@setfontsize{\LARGE}{18pt}{20pt}}
4413 \renewcommand{\huge}{\@setfontsize{\huge}{20pt}{25pt}}
4414 \renewcommand{\Huge}{\@setfontsize{\Huge}{25pt}{30pt}}
4415 }{}
4416 \def\customwwwTxt#1{\gdef\@customwwwTxt{\lr{#1}}}
4417 \newcommand{\xepersian@wwwFormat}{\sfamily}
4418 \newcommand{\xepersian@www}{%
4419 \raisebox{-3pt}{\{\xepersian@wwwFormat@\@customwwwTxt}}
4420 }
4421 \newcommand{\xepersian@edition}{
4422 \newcommand{\editionFormat}{\large\bfseries\texttt}
4423 \newcommand{\xepersian@editionLogo}{%
4424 \raisebox{-3pt}{%
4425 {\editionFormat\xepersian@edition}%
4426 }%
4427 }
4428 \newcommand{\indexFormat}{\large\bfseries}
4429 \newcommand{\xepersian@indexFrameTitle}[1]
4430 {\begin{flushright}{\{\indexFormat #1}\end{flushright}}
4431
4432 \newcommand{\indexEntryFormat}{\normalsize}
4433 \newcommand{\xepersian@indexEntry}[1]{\begin{minipage}{13\TPHorizModule}%
4434 {\indexEntryFormat\noindent\ignorespaces{#1}}%
4435 \end{minipage}}
4436 \newcommand{\indexEntrySeparator}{\rule{\xepersian@indexwidth}{.1pt}}
4437 \newcommand{\indexEntryPageTxt}{

```





```

4438 \newcommand{\indexEntryPageFormat}{\footnotesize}
4439 \newcommand{\xepersian@indexEntryPage}[1]{%
4440 {\indexEntryPageFormat{\indexEntryPageTxt{~#1}}%
4441 }
4442 \newcommand{\headDateTimeFormat}{}
4443 \newcommand{\xepersian@headDateTime}{%
4444 \headDateTimeFormat\date\hspace{5pt}$\parallel$\hspace{5pt}%
4445 \currenttime %
4446 }
4447 \newcommand{\weatherFormat}{\bfseries}
4448 \newcommand{\xepersian@weather}[1]{%
4449 \noindent{\weatherFormat #1}%
4450 }
4451 \newcommand{\weatherTempFormat}{\small}
4452 \newcommand{\weatherUnits}{\textdegree}C}
4453 \newcommand{\xepersian@section}[0]{ { {
4454 \newcommand{\xepersian@headleft}{%
4455 {\small\bfseries \@custommagazinename} \date
4456 }
4457 \newcommand{\xepersian@headcenter}{%
4458 \xepersian@section{}
4459 }
4460 \newcommand{\xepersian@headright}{%
4461 \small\xepersian@edition%
4462 \hspace*{5pt}\beginL\thepage\ / \pageref{LastPage}\endL
4463 }
4464
4465 \newcommand{\heading}[3]{%
4466 \renewcommand{\xepersian@headleft}{\beginR#1\endR}%
4467 \renewcommand{\xepersian@headcenter}{\beginR#2\endR}%
4468 \renewcommand{\xepersian@headright}{\beginR#3\endR}%
4469 }
4470 \newcommand{\xepersian@footright}{%
4471 {\footnotesize\lr{\copyright\ \@customwwwTxt{}}-- - \lr{\XePersian}}%
4472 }
4473 \newcommand{\xepersian@footcenter}{%
4474 }
4475 \newcommand{\xepersian@footleft}{%
4476 }
4477
4478 \newcommand{\foot}[3]{%
4479 \renewcommand{\xepersian@footleft}{\beginR#1\endR}%
4480 \renewcommand{\xepersian@footcenter}{\beginR#2\endR}%
4481 \renewcommand{\xepersian@footright}{\beginR#3\endR}%
4482 }
4483 \newcommand{\firstTitleFormat}{\Huge\bfseries\flushright}
4484 \newcommand{\xepersian@firstTitle}[1]{%
4485 {%
4486 \begin{spacing}{2.0}{%
4487 \noindent\ignorespaces
4488 \ifthenelse{\boolean{xepersian@hyphenatedtitles}}%
4489 {\nohyphens{\firstTitleFormat #1}}%
4490 {\firstTitleFormat #1}}%
4491 }%

```



```

4492 \end{spacing}%
4493 }%
4494 }
4495 \newcommand{\firstTextFormat}{ }
4496 \newcommand{\xepersian@firstText}[1]{%
4497 {\noindent\ignorespaces\firstTextFormat #1}%
4498 }
4499 \newcommand{\secondTitleFormat}{\LARGE\bfseries}
4500 \newcommand{\xepersian@secondTitle}[1]{%
4501 \begin{spacing}{1.5}{%
4502 \noindent\ignorespaces\flushright
4503 \ifthenelse{\boolean{xepersian@hyphenatedtitles}}%
4504 {\nohyphens{\secondTitleFormat #1}}%
4505 {\secondTitleFormat #1}}%
4506 }\end{spacing}%
4507 }
4508 \newcommand{\secondSubtitleFormat}{\large}
4509 \newcommand{\xepersian@secondSubtitle}[1]{%
4510 {\noindent\ignorespaces{\secondSubtitleFormat #1}}%
4511 }
4512 \newcommand{\secondTextFormat}{ }
4513 \newcommand{\xepersian@secondText}[1]{%
4514 \begin{multicols}{2}
4515 {\noindent\ignorespaces\secondTextFormat #1}
4516 \end{multicols}
4517 }
4518 \newcommand{\thirdTitleFormat}{\Large\bfseries}
4519 \newcommand{\xepersian@thirdTitle}[1]{%
4520 \begin{spacing}{1.5}{%
4521 \noindent\ignorespaces\flushright
4522 \ifthenelse{\boolean{xepersian@hyphenatedtitles}}%
4523 {\nohyphens{\thirdTitleFormat #1}}%
4524 {\thirdTitleFormat #1}}%
4525 }\end{spacing}%
4526 }
4527 \newcommand{\thirdSubtitleFormat}{\large}
4528 \newcommand{\xepersian@thirdSubtitle}[1]{%
4529 {\noindent\ignorespaces\thirdSubtitleFormat #1}}
4530 \newcommand{\thirdTextFormat}{ }
4531 \newcommand{\xepersian@thirdText}[1]{\thirdTextFormat #1}}
4532 \newcommand{\pictureCaptionFormat}{\small\bfseries}
4533 \newcommand{\xepersian@pictureCaption}[1]{%
4534 {\noindent\pictureCaptionFormat #1}%
4535 }
4536 \newcommand{\pagesFormat}{\bfseries\footnotesize}
4537 \newcommand{\xepersian@pages}[1]{%
4538 {\noindent{\pagesFormat\MakeUppercase{#1}}}
4539 \newcommand{\innerTitleFormat}{\Huge}
4540 \newcommand{\xepersian@innerTitle}[1]{%
4541 \begin{flushright}{%
4542 \noindent
4543 \ifthenelse{\boolean{xepersian@hyphenatedtitles}}%
4544 {\nohyphens{\innerTitleFormat #1}}%
4545 {\innerTitleFormat #1}}%

```



```

4546 }%
4547 %%
4548 \end{flushright}%
4549 }
4550 \newcommand{\innerSubtitleFormat}{\large}
4551 \newcommand{\xepersian@innerSubtitle}[1]{\innerSubtitleFormat #1}
4552 \newcommand{\timestampTxt}{}
4553 \newcommand{\timestampSeparator}{|}
4554 \newcommand{\timestampFormat}{\small}
4555 \newcommand{\timestamp}[1]{%
4556 {\timestampFormat%
4557 #1~\timestampTxt}%
4558 }~\timestampSeparator}%
4559 }
4560 \newcommand{\innerAuthorFormat}{\footnotesize}
4561 \newcommand{\innerPlaceFormat}{\footnotesize\bfseries}
4562 \newcommand{\innerTextFinalMark}{\rule{0.65em}{0.65em}}
4563 \newcommand{\editorialTitleFormat}{\LARGE\textit}
4564 \newcommand{\xepersian@editorialTitle}[1]{\editorialTitleFormat{#1}}
4565 \newcommand{\editorialAuthorFormat}{\textsc}
4566 \newcommand{\shortarticleTitleFormat}{\LARGE\bfseries}
4567 \newcommand{\xepersian@shortarticleTitle}[1]{\shortarticleTitleFormat #1}
4568 \newcommand{\shortarticleSubtitleFormat}{\Large}
4569 \newcommand{\xepersian@shortarticleSubtitle}[1]{\shortarticleSubtitleFormat #1}
4570 \newcommand{\shortarticleItemTitleFormat}{\large\bfseries}
4571 \newcommand{\xepersian@shortarticleItemTitle}[1]{\shortarticleItemTitleFormat #1}
4572 \renewcommand{\maketitle}{\begin{titlepage}%
4573 \let\footnotesize\small
4574 \let\footnoterule\relax
4575 \let \footnote \thanks
4576 \null\vfil
4577 \vskip 60\p@
4578 \begin{center}%
4579 {\LARGE \@title \par}%
4580 \vskip 1em%
4581 {\LARGE «\xepersian@edition» \par}%
4582 \vskip 3em%
4583 {\large
4584 \lineskip .75em%
4585 \begin{tabular}[t]{c}%
4586 \@author
4587 \end{tabular}\par}%
4588 \vskip 1.5em%
4589 {\large \@date \par}%
4590 \end{center}\par
4591 \@thanks
4592 \vfil\null
4593 \end{titlepage}%
4594 \setcounter{footnote}{0}%
4595 \global\let\thanks\relax
4596 \global\let\maketitle\relax
4597 \global\let\@thanks\@empty
4598 \global\let\@author\@empty
4599 \global\let\@date\@empty

```



```

4600 \global\let\@title\empty
4601 \global\let\title\relax
4602 \global\let\author\relax
4603 \global\let\date\relax
4604 \global\let\and\relax
4605 }
4606 \newcommand{\xepersian@say}[1]{\typeout{#1}}
4607 \newsavebox{\xepersian@fmbox}
4608 \newenvironment{xepersian@fmpage}[1]
4609 {\begin{lrbox}{\xepersian@fmbox}\begin{minipage}{#1}}
4610 {\end{minipage}\end{lrbox}\fbox{\usebox{\xepersian@fmbox}}}
4611 \newcommand{\image}[2]{
4612 \vspace{5pt}
4613 \setlength{\fboxsep}{1pt}
4614 \addtolength{\xepersian@imgsize}{\columnwidth}
4615 \addtolength{\xepersian@imgsize}{-1\columnsep}
4616 \ifxetex
4617 \setlength{\xepersian@pageneed}{1.5\xepersian@imgsize}
4618 \addtolength{\xepersian@pageneed}{50pt}
4619 \ClassWarning{xepersian-magazine}{%
4620 Image #1 needs: \the\xepersian@pageneed \space %
4621 and there is left: \the\page@free\space%
4622 }
4623 \ifdim \xepersian@pageneed < \page@free
4624
4625 {\centering\fbox{%
4626 \includegraphics[width = \xepersian@imgsize,
4627 height = \xepersian@imgsize,
4628 keepaspectratio ]{#1}}}
4629 \xepersian@pictureCaption{#2}
4630
4631 \vspace{5pt}
4632 \else
4633 \ClassWarning{Image #1 needs more space!%
4634 It was not inserted!}
4635 \fi
4636 \fi
4637 }
4638 \textblockorigin{1cm}{1cm}
4639 \newdimen\xepersian@dx
4640 \newdimen\xepersian@dy
4641 \newcount\xepersian@cx
4642 \newcount\xepersian@cy
4643 \newcommand{\grid}[3][ ]{
4644 \xepersian@dx=\textwidth%
4645 \xepersian@dy=\textheight%
4646 \xepersian@cx=#3% %columns
4647 \xepersian@cy=#2% %rows
4648
4649 \count1=#3%
4650 \advance\count1 by 1
4651
4652 \count2=#2%
4653 \advance\count2 by 1

```



```

4654
4655 \divide\xepersian@dx by #3
4656 \divide\xepersian@dy by #2
4657
4658 \setlength{\TPHorizModule}{\xepersian@dx}
4659 \setlength{\TPVertModule}{\xepersian@dy}
4660
4661 \ifthenelse{\equal{#1}{show}}{
4662 \multido{\xepersian@nrow=0+1}{\count2}{
4663 \begin{textblock}{\xepersian@cx}(0,\xepersian@nrow)
4664 \rule[0pt]{\textwidth}{.1pt}
4665 \end{textblock}
4666 }
4667
4668 \multido{\xepersian@ncol=0+1}{\count1}{
4669 \begin{textblock}{\xepersian@cy}(\xepersian@ncol,0)
4670 \rule[0pt]{.1pt}{\textheight}
4671 \end{textblock}
4672 }
4673 }{ }
4674 }
4675 \newcommand{\xepersianInit}{
4676 \setlength{\headheight}{14pt}
4677 \renewcommand{\headrulewidth}{0.4pt}
4678
4679 \pagestyle{fancy}
4680
4681 \setlength{\columnseprule}{\columnlines}
4682 \setlength{\fboxrule}{0.1 pt}
4683
4684 }
4685
4686 \def\customlogo#1{\gdef\@customlogo{\beginR#1\endR}}
4687 \def\customminilogo#1{\gdef\@customminilogo{\beginR#1\endR}}
4688 \def\custommagaziname#1{\gdef\@custommagaziname{\beginR#1\endR}}
4689 \newcommand{\logo}[0]{
4690 %% Heading %%
4691 \noindent\hrulefill\hspace{10pt}\xepersian@editionLogo\hspace{5pt}\xepersian@www
4692
4693 \vspace*{-3pt}
4694
4695 {\Large\bfseries \@customlogo}
4696 \hrulefill
4697 \hspace{10pt}\xepersian@headDateTime
4698
4699 }
4700 \newcommand{\minilogo}[0]{
4701 {\large\bfseries \@customminilogo}
4702
4703 \vspace*{5pt}
4704 }
4705 \newcommand{\mylogo}[1]{
4706 {\beginR#1\endR}
4707

```



```

4708 \noindent
4709 \xepersian@editionLogo\hspace{5pt}
4710 \hrulefill
4711 \hspace{5pt}\xepersian@headDateTime
4712 }
4713 \newcommand{\edition}[1]{\renewcommand{\xepersian@edition}{#1}}
4714 \newenvironment{frontpage}[0]
4715 {
4716 \setboolean{xepersian@insidefrontpage}{true}
4717 \thispagestyle{empty}
4718 \logo
4719
4720 }%
4721 {
4722 \thispagestyle{empty}
4723 \clearpage
4724 \newpage
4725 \fancyhead{}
4726 \fancyfoot{}
4727 \fancyhead[RO,LE]{\beginR\xepersian@headright\endR}
4728 \fancyhead[LO,RE]{\beginR\xepersian@headleft\endR}
4729 \fancyhead[C]{\beginR\xepersian@headcenter\endR}
4730 \fancyfoot[RO,LE]{\beginR\xepersian@footright\endR}
4731 \fancyfoot[LO,RE]{\beginR\xepersian@footleft\endR}
4732 \fancyfoot[C]{\beginR\xepersian@footcenter\endR}
4733 \renewcommand{\headrulewidth}{0.4pt}
4734 \setboolean{xepersian@insidefrontpage}{false}
4735
4736 }
4737 \newcommand{\firstarticle}[3]
4738 {
4739 \ifthenelse{\boolean{xepersian@insidefrontpage}}{%
4740 \ifthenelse{\boolean{xepersian@hyphenatedtitles}}{%
4741 \begin{textblock}{24}(22,5)
4742 }
4743 {
4744 \begin{textblock}{28}(22,5)
4745 }
4746 \vspace{-7pt}
4747 \xepersian@firstTitle{#1}
4748 \end{textblock}
4749 \begin{textblock}{29}(22,10)
4750 \vspace{5pt plus 2pt minus 2pt}
4751
4752 \xepersian@firstText{\timestamp{#3}~#2}
4753
4754 \end{textblock}
4755
4756 \begin{textblock}{50}(0,15)
4757 \rule{50\TPHorizModule}{.3pt}
4758 \end{textblock}
4759 }{%else
4760 \ClassError{xepersian-magazine}{%
4761 \protect\firstarticle\space in a wrong place.\MessageBreak

```



```

4762 \protect\firstarticle\space may only appear inside frontpage environment.
4763 }{%
4764 \protect\firstarticle\space may only appear inside frontpage environment.
4765 }%
4766 }
4767 }
4768 \newcommand{\secondarticle}[5]
4769 {
4770 \ifthenelse{\boolean{xepersian@insidefrontpage}}{%
4771 \begin{textblock}{33}(2,16)
4772 \xepersian@pages{#4}
4773 \vspace{-5pt}
4774 \xepersian@secondTitle{#1}
4775
4776 \vspace*{5pt}
4777
4778 \xepersian@secondSubtitle{#2}
4779
4780 \vspace*{-7pt}
4781
4782 \xepersian@secondText{\timestamp{#5}~#3}
4783
4784 \end{textblock}
4785
4786 \begin{textblock}{33}(2,25)
4787 \vspace{5pt plus 2pt minus 2pt}
4788
4789 \noindent\ignorespaces\rule{33\TPHorizModule}{.3pt}
4790 \end{textblock}
4791 }{%else
4792 \ClassError{xepersian-magazine}{%
4793 \protect\secondarticle\space in a wrong place.\MessageBreak
4794 \protect\secondarticle\space may only appear inside frontpage environment.
4795 }{%
4796 \protect\secondarticle\space may only appear inside frontpage environment.
4797 }%
4798 }
4799 }
4800 \newcommand{\thirdarticle}[6]
4801 {
4802 \ifthenelse{\boolean{xepersian@insidefrontpage}}{%
4803 \begin{textblock}{32}(2,26)
4804 \xepersian@pages{#5}
4805 \vspace{-5pt}
4806 \setlength{\fboxsep}{1pt}
4807 \xepersian@thirdTitle{#1}
4808
4809 \vspace*{5pt}
4810
4811 \xepersian@thirdSubtitle{#2}
4812
4813 \vspace*{5pt}
4814
4815 {\noindent\ignorespaces %

```



```

4816 \ifthenelse{\equal{#4}{}}{}
4817
4818 \xepersian@thirdText{\timestamp{#6}~#3}
4819
4820 }
4821
4822 \vspace*{5pt}
4823
4824 \end{textblock}
4825 }{%else
4826 \ClassError{xepersian-magazine}{%
4827 \protect\thirdarticle\space in a wrong place.\MessageBreak
4828 \protect\thirdarticle\space may only appear inside frontpage environment.
4829 }{%
4830 \protect\thirdarticle\space may only appear inside frontpage environment.
4831 }%
4832 }
4833 }
4834 \newcommand{\firstimage}[2]
4835 {
4836 \ifthenelse{\boolean{xepersian@insidefrontpage}}{%
4837 \begin{textblock}{18}(2,5)
4838 \setlength{\fboxsep}{1pt}
4839 \ifxetex % only in PDF
4840 \noindent\fbox{\includegraphics[width = 18\TPHorizModule ]{#1}}
4841 \fi
4842
4843 \xepersian@pictureCaption{#2}
4844 \end{textblock}}%
4845 }
4846 {\ClassError{xepersian-magazine}{%
4847 \protect\firstimage\space in a wrong place.\MessageBreak
4848 \protect\firstimage\space may only appear inside frontpage environment.
4849 }{%
4850 \protect\firstimage\space may only appear inside frontpage environment.
4851 }}
4852 }%
4853 \newcommand{\weatheritem}[5]{%
4854 \ifthenelse{\boolean{xepersian@insideweather}}{
4855 \begin{minipage}{45pt}
4856 \ifxetex
4857 \includegraphics[width=40pt]{#1}
4858 \fi
4859 \end{minipage}
4860 \begin{minipage}{50pt}
4861 \weatherTempFormat
4862 #2\\
4863 \beginL#3 $\|$ #4 \lr{\weatherUnits{}}\endL\\
4864 #5
4865 \end{minipage}
4866 }{%else
4867 \ClassError{xepersian-magazine}{%
4868 \protect\weatheritem\space in a wrong place.\MessageBreak
4869 \protect\weatheritem\space may only appear inside weatherblock environment.

```





```

4870 }{%
4871 \protect\weatheritem\space may only appear inside weatherblock environment.\MessageBreak
4872 weatherblock environment may only appear inside frontpage environment.
4873 }%
4874 }
4875 }
4876 \newenvironment{weatherblock}[1]
4877 {
4878 \ifthenelse{\boolean{xepersian@insidefrontpage}}{%
4879 \setboolean{xepersian@insideweather}{true}
4880 \begin{textblock}{32}(2,38)
4881 \vspace*{-15pt}
4882
4883 \xepersian@weather{\beginR#1\endR}
4884
4885 \vspace*{5pt}
4886
4887 \noindent\begin{xepersian@fmpage}{32\TPHorizModule}
4888 \begin{minipage}{32\TPHorizModule}
4889 \hspace{5pt}
4890
4891 }{%
4892 \ClassError{xepersian-magazine}{%
4893 weatherblock in a wrong place.\MessageBreak
4894 weatherblock may only appear inside frontpage environment.
4895 }{%
4896 weatherblock may only appear inside frontpage environment.
4897 }
4898 }
4899 }%
4900 {
4901 \end{minipage}
4902 \end{xepersian@fmpage}
4903 \end{textblock}
4904 \setboolean{xepersian@insideweather}{false}
4905 }
4906 \newenvironment{authorblock}[0]
4907 {
4908 \ifthenelse{\boolean{xepersian@insidefrontpage}}{%
4909 \begin{textblock}{15}(36,35)
4910 \setlength{\fboxsep}{5pt}
4911 \begin{xepersian@fmpage}{13\TPHorizModule}
4912 \begin{minipage}{13\TPHorizModule}
4913 \centering
4914 \minilogo
4915
4916 }{%else
4917 \ClassError{xepersian-magazine}{%
4918 authorblock in a wrong place.\MessageBreak
4919 authorblock may only appear inside frontpage environment.
4920 }{%
4921 authorblock may only appear inside frontpage environment.
4922 }
4923 }

```



```

4924 }
4925 {
4926 \end{minipage}
4927 \end{xepersian@fmpage}
4928 \end{textblock}
4929 }
4930 \newenvironment{indexblock}[1]
4931 {
4932 \ifthenelse{\boolean{xepersian@insidefrontpage}}{%
4933 \setboolean{xepersian@insideindex}{true}%let's in
4934 \begin{textblock}{15}(36,16)
4935 \setlength{xepersian@indexwidth}{13\TPHorizModule}
4936 \xepersian@indexFrameTitle{#1}
4937
4938 \setlength{fboxsep}{5pt} %espacio entre el frame y la imagen
4939 \begin{xepersian@fmpage}{\xepersian@indexwidth}
4940 \begin{minipage}{\xepersian@indexwidth}
4941 \vspace*{10pt}
4942 }{%else
4943 \ClassError{xepersian-magazine}{%
4944 indexblock in a wrong place.\MessageBreak
4945 indexblock may only appear inside frontpage environment.
4946 }{%
4947 indexblock may only appear inside frontpage environment.
4948 }
4949 }
4950 }%
4951 {
4952 \end{minipage}
4953 \end{xepersian@fmpage}
4954 \end{textblock}
4955 \setboolean{xepersian@insideindex}{false}%let's out
4956 }
4957 \newcommand{\indexitem}[2]
4958 {
4959 \ifthenelse{\boolean{xepersian@insideindex}}{
4960 \xepersian@indexEntry{#1 \xepersian@indexEntryPage{\pageref{#2}}}
4961
4962 \vspace{0.5cm}
4963
4964 \noindent\ignorespaces\indexEntrySeparator{
4965 }{%else
4966 \ClassError{xepersian-magazine}{%
4967 \protect\indexitem\space in a wrong place.\MessageBreak
4968 \protect\indexitem\space may only appear inside indexblock environment.
4969 }{%
4970 \protect\indexitem\space may only appear inside indexblock environment.\MessageBreak
4971 indexblock environment may only appear inside frontpage environment.
4972 }%
4973 }
4974 }
4975 \newcommand{\xepersian@inexpandedtitle}[1]{
4976 \begin{minipage}{.95\textwidth}
4977 \begin{center}

```



```

4978 \noindent\Large\textbf{\beginR#1\endR}
4979 \end{center}
4980 \end{minipage}
4981 }
4982 \newcommand{\expandedtitle}[2]{
4983 \end{multicols}
4984
4985 \begin{center}
4986 \setlength{\fboxsep}{5pt}
4987 \setlength{\shadowsize}{2pt}
4988 \ifthenelse{\equal{#1}{shadowbox}}{%
4989 \shadowbox{%
4990 \xepersian@inexpandedtitle{#2}%
4991 }%
4992 }{}
4993 \ifthenelse{\equal{#1}{doublebox}}{%
4994 \doublebox{%
4995 \xepersian@inexpandedtitle{#2}%
4996 }%
4997 }{}
4998 \ifthenelse{\equal{#1}{ovalbox}}{%
4999 \ovalbox{%
5000 \xepersian@inexpandedtitle{#2}%
5001 }%
5002 }{}
5003 \ifthenelse{\equal{#1}{Ovalbox}}{%
5004 \Ovalbox{%
5005 \xepersian@inexpandedtitle{#2}%
5006 }%
5007 }{}
5008 \ifthenelse{\equal{#1}{lines}}{
5009 \hrule
5010 \vspace*{8pt}
5011 \begin{center}
5012 \noindent\Large\textbf{#2}
5013 \end{center}
5014 \vspace*{8pt}
5015 \hrule
5016 }{}
5017 \end{center}
5018
5019 \begin{multicols}{\xepersian@ncolumns}}
5020 \ifnum \xepersian@ncolumns > \minraggedcols
5021 \raggedFormat
5022 \fi
5023 }
5024 \newcommand{\xepersian@incolumntitle}[2]{
5025 \begin{minipage}{#1}
5026 \begin{center}
5027 \noindent\normalsize\textbf{#2}
5028 \end{center}
5029 \end{minipage}
5030 }
5031

```



```

5032 \newcommand{\columntitle}[2]{
5033 \vspace*{5pt}
5034 \begin{center}
5035 \setlength{\fboxsep}{5pt}
5036 \setlength{\shadowsize}{2pt}
5037 \addtolength{\xepersian@coltitsize}{\columnwidth}
5038 \addtolength{\xepersian@coltitsize}{-1\columnsep}
5039 \addtolength{\xepersian@coltitsize}{-5pt}
5040 \addtolength{\xepersian@coltitsize}{-1\shadowsize}
5041 \ifthenelse{\equal{#1}{shadowbox}}{%
5042 \shadowbox{%
5043 \xepersian@incolumntitle{\xepersian@coltitsize}{#2}%
5044 }%
5045 }{
5046 \ifthenelse{\equal{#1}{doublebox}}{%
5047 \doublebox{%
5048 \xepersian@incolumntitle{\xepersian@coltitsize}{#2}%
5049 }%
5050 }{
5051 \ifthenelse{\equal{#1}{ovalbox}}{%
5052 \ovalbox{%
5053 \xepersian@incolumntitle{\xepersian@coltitsize}{#2}%
5054 }%
5055 }{
5056 \ifthenelse{\equal{#1}{Ovalbox}}{%
5057 \Ovalbox{%
5058 \xepersian@incolumntitle{\xepersian@coltitsize}{#2}%
5059 }%
5060 }{
5061 \ifthenelse{\equal{#1}{lines}}{
5062 \hrule
5063 \vspace*{5pt}
5064 \begin{center}
5065 \noindent\normalsize\textbf{#2}
5066 \end{center}
5067 \vspace*{5pt}
5068 \hrule
5069 }{
5070 \end{center}
5071 }
5072 \renewcommand{\date}{%
5073 \longdate{\today}%
5074 }
5075 \newcommand{\authorandplace}[2]{%
5076 \rightline{%
5077 {\innerAuthorFormat #1},\space{\innerPlaceFormat #2}%
5078 }%
5079 \par %
5080 }
5081 \newcommand{\newsection}[1]{
5082 \renewcommand{\xepersian@section}{#1}
5083 }
5084 \newenvironment{article}[5]
5085 {

```



```

5086 \xepersian@say{Adding a new piece of article}
5087 \renewcommand{\xepersian@ncolumns}{#1}
5088 \begin{multicols}{#1}[
5089 \xepersian@pages{#4}
5090 \xepersian@innerTitle{#2}%
5091 \xepersian@innerSubtitle{#3}%
5092 ] [4cm]%
5093 \label{#5}
5094 \ifnum #1 > \minraggedcols
5095 \raggedFormat
5096 \fi
5097 }
5098 {-\innerTextFinalMark{}}
5099 \end{multicols}
5100 }
5101 \newcommand{\articlesep}{%
5102 \setlength{\xepersian@pageneed}{16000pt}
5103 \setlength\xepersian@pageleft{\pagegoal}
5104 \addtolength\xepersian@pageleft{-\pagetotal}
5105
5106 \xepersian@say{How much left \the\xepersian@pageleft}
5107
5108 \ifdim \xepersian@pageneed < \xepersian@pageleft
5109 \xepersian@say{Not enough space}
5110 \else
5111 \xepersian@say{Adding sep line between articles}
5112 \vspace*{10pt plus 10pt minus 5pt}
5113 \hrule
5114 \vspace*{10pt plus 5pt minus 5pt}
5115 \fi
5116
5117 }
5118 \newcommand{\xepersian@editorialTit}[2]{
5119 \setlength{\arrayrulewidth}{.1pt}
5120 \begin{center}
5121 \begin{tabular}{c}
5122 \noindent
5123 \xepersian@editorialTitle{#1}
5124 \vspace{2pt plus 1pt minus 1pt}
5125 \\
5126 \hline
5127 \vspace{2pt plus 1pt minus 1pt}
5128 \\
5129 \editorialAuthorFormat{#2}
5130 \end{tabular}
5131 \end{center}
5132 }
5133 \newenvironment{editorial}[4]
5134 {
5135 \xepersian@say{Adding a new editorial}
5136 \begin{multicols}{#1}[%
5137 \xepersian@editorialTit{#2}{#3}%
5138 ] [4cm]
5139 \label{#4}

```



```

5140 \ifnum #1 > \minraggedcols
5141 \raggedFormat
5142 \fi
5143 }
5144 {
5145 \end{multicols}
5146 }
5147 \newcommand{\xepersian@shortarticleTit}[2]{
5148 \begin{center}
5149 \vbox{%
5150 \noindent
5151 \xepersian@shortarticleTitle{#1}
5152 \vspace{4pt plus 2pt minus 2pt}
5153 \hrule
5154 \vspace{4pt plus 2pt minus 2pt}
5155 \xepersian@shortarticleSubtitle{#2}
5156 }
5157 \end{center}
5158 }
5159 \newenvironment{shortarticle}[4]
5160 {
5161 \xepersian@say{Adding a short article block}
5162 \begin{multicols}{#1}[\xepersian@shortarticleTit{#2}{#3}][4cm] %
5163 \label{#4}
5164 \par %
5165 \ifnum #1 > \minraggedcols
5166 \raggedFormat
5167 \fi
5168 }
5169 {
5170 \end{multicols}
5171 }
5172 \newcommand{\shortarticleitem}[2]{
5173 \goodbreak
5174 \vspace{5pt plus 3pt minus 3pt}
5175 {\vbox{\noindent\xepersian@shortarticleItemTitle{#1}}}
5176 \vspace{5pt plus 3pt minus 3pt}
5177 {\noindent #2}\
5178 }

```

## 62 File xepersian-mathdigitsspec.sty

```

5179 \NeedsTeXFormat{LaTeX2e}
5180 \ProvidesPackage{xepersian-mathdigitsspec}
5181 [2025/01/08 v1.2.2 Unicode Persian math digits in XeLaTeX]
5182 \def\new@mathgroup{\alloc@8\mathgroup\chardef\@cclvi}
5183 \let\newfam\new@mathgroup
5184 \def\select@group#1#2#3#4{%
5185 \ifx\math@bgroup\bgroup\else\relax\expandafter\@firstofone\fi
5186 f%
5187 \ifmmode
5188 \ifnum\csname c@mv@\math@version\endcsname<\@cclvi
5189 \begingroup
5190 \escapechar\m@ne

```



```

5191     \getanddefine@fonts{\csname c@mv@math@version\endcsname}#3%
5192     \globaldefs\@ne \math@fonts
5193   \endgroup
5194   \init@restore@version
5195   \xdef#1{\noexpand\use@mathgroup\noexpand#2%
5196     {\number\csname c@mv@math@version\endcsname}}%
5197   \global\advance\csname c@mv@math@version\endcsname\@ne
5198   \else
5199     \let#1\relax
5200     \@latex@error{Too many math alphabets used in
5201       version \math@version}%
5202     \@eha
5203   \fi
5204   \else \expandafter\non@alpherr\fi
5205   #1{#4}%
5206   }%
5207 }
5208 \def\document@select@group#1#2#3#4{%
5209   \ifx\math@bgroup\bgroup\else\relax\expandafter\@firstofone\fi
5210   {%
5211     \ifmmode
5212       \ifnum\csname c@mv@math@version\endcsname<\@cclvi
5213         \begingroup
5214           \escapechar\m@ne
5215           \getanddefine@fonts{\csname c@mv@math@version\endcsname}#3%
5216           \globaldefs\@ne \math@fonts
5217         \endgroup
5218         \expandafter\extract@alph@from@version
5219           \csname mv@math@version\expandafter\endcsname
5220         \expandafter{\number\csname
5221           c@mv@math@version\endcsname}%
5222         #1%
5223         \global\advance\csname c@mv@math@version\endcsname\@ne
5224       \else
5225         \let#1\relax
5226         \@latex@error{Too many math alphabets used
5227           in version \math@version}%
5228         \@eha
5229       \fi
5230     \else \expandafter\non@alpherr\fi
5231     #1{#4}%
5232   }%
5233 }
5234 \ExplSyntaxOn
5235 \bool_set_false:N \g__fontspec_math_bool
5236 \tl_map_inline:nn
5237 {
5238   \new@mathgroup\cdp@list\cdp@elt\DeclareMathSizes
5239   \@DeclareMathSizes\newmathalphabet\newmathalphabet@@\newmathalphabet@@@
5240   \DeclareMathVersion\define@mathalphabet\define@mathgroup\addtoversion
5241   \version@list\version@elt\alpha@list\alpha@elt
5242   \restore@mathversion\init@restore@version\dorestore@version\process@table
5243   \new@mathversion\DeclareSymbolFont\group@list\group@elt
5244   \new@symbolfont\SetSymbolFont\SetSymbolFont@\get@cdp

```



```

5245 \DeclareMathAlphabet\new@mathalphabet\SetMathAlphabet\SetMathAlphabet@
5246 \DeclareMathAccent\set@mathaccent\DeclareMathSymbol\set@mathchar
5247 \set@mathsymbol\DeclareMathDelimiter\@xxDeclareMathDelimiter
5248 \@DeclareMathDelimiter\@xDeclareMathDelimiter\set@mathdelimiter
5249 \set@mathdelimiter\DeclareMathRadical\mathchar@type
5250 \DeclareSymbolFontAlphabet\DeclareSymbolFontAlphabet@
5251 }
5252 {
5253 \tl_remove_once:Nn \@preamblecmds {\do#1}
5254 }
5255 \ExplSyntaxOff
5256 \newcommand\xepersian@PackageInfo[1]{\PackageInfo{xepersian-mathdigitspec}{#1}}
5257 \newcommand\SetMathCode[4]{%
5258 \Umathcode#1="\mathchar@type#2 \csname sym#3\endcsname #4\relax}
5259 \newcommand\SetMathCharDef[4]{%
5260 \Umathchardef#1="\mathchar@type#2 \csname sym#3\endcsname #4\relax}
5261 \ExplSyntaxOn
5262 \cs_new_eq:NN \orig_mathbf:n \mathbf
5263 \cs_new_eq:NN \orig_mathit:n \mathit
5264 \cs_new_eq:NN \orig_mathrm:n \mathrm
5265 \cs_new_eq:NN \orig_mathsf:n \mathsf
5266 \cs_new_eq:NN \orig_mathtt:n \mathtt
5267 %\int_const:Nn \c_one_int { 1 }
5268 \NewDocumentCommand \new@mathbf { m } {
5269 \orig_mathbf:n {
5270 \int_step_inline:nnnn { `0 } { \c_one_int } { `9 } {
5271 \mathcode ##1 = \numexpr "100 * \symnew@mathbf@font@digits + ##1 \relax
5272 }
5273 #1
5274 }
5275 }
5276 \NewDocumentCommand \new@mathit { m } {
5277 \orig_mathit:n {
5278 \int_step_inline:nnnn { `0 } { \c_one_int } { `9 } {
5279 \mathcode ##1 = \numexpr "100 * \symnew@mathit@font@digits + ##1 \relax
5280 }
5281 #1
5282 }
5283 }
5284 \NewDocumentCommand \new@mathrm { m } {
5285 \orig_mathrm:n {
5286 \int_step_inline:nnnn { `0 } { \c_one_int } { `9 } {
5287 \mathcode ##1 = \numexpr "100 * \symnew@mathrm@font@digits + ##1 \relax
5288 }
5289 #1
5290 }
5291 }
5292 \NewDocumentCommand \new@mathsf { m } {
5293 \orig_mathsf:n {
5294 \int_step_inline:nnnn { `0 } { \c_one_int } { `9 } {
5295 \mathcode ##1 = \numexpr "100 * \symnew@mathsf@font@digits + ##1 \relax
5296 }
5297 #1
5298 }

```





```

5299 }
5300 \NewDocumentCommand \new@mathtt{ m } {
5301   \orig_mathtt:n {
5302     \int_step_inline:nnnn { `0 } { \c_one_int } { `9 } {
5303       \mathcode ##1 = \numexpr "100 * \symnew@mathtt@font@digits + ##1 \relax
5304     }
5305     #1
5306   }
5307 }
5308
5309 \cs_new:Npn \__xepersian_mathdigitsspec_error:nxx { \msg_error:nxxx {xepersian-mathdigitsspec}
5310 \cs_new:Nn \__xepersian_mathdigitsspec_msg_new:nnnn
5311 { \msg_new:nxxx {#1} {#2} { \tl_trim_spaces:n {#3} } { \tl_trim_spaces:n {#4} } }
5312 \char_set_catcode_space:n {32}
5313 \__xepersian_mathdigitsspec_msg_new:nnnn {xepersian-mathdigitsspec} {char-not-exist}
5314 {
5315   The font "#1" does not contain U+#2.
5316 }
5317 {
5318   Select another font and rerun xelatex.
5319 }
5320 \char_set_catcode_ignore:n {32}
5321
5322 %\__kernel_primitive:NN \iffontchar \tex_iffontchar:D
5323 \prg_new_conditional:Nnn \__xepersian_mathdigitsspec_primitive_font_char_if_exist:n {p,TF,T,F}
5324 {
5325   \tex_iffontchar:D \l_fontspec_font "#1 \scan_stop:
5326   \prg_return_true:
5327   \else:
5328   \prg_return_false:
5329   \fi:
5330 }
5331
5332 \clist_new:N \l_xepersian_mathdigitsspec_char_clist
5333
5334 \cs_new:Nn \__xepersian_mathdigitsspec_char_set_not_exist_error:nn
5335 {
5336   \clist_set:Nn \l_xepersian_mathdigitsspec_char_clist { #1 }
5337   \clist_map_inline:Nn \l_xepersian_mathdigitsspec_char_clist {
5338     \__xepersian_mathdigitsspec_primitive_font_char_if_exist:nF { ##1 } { \__xepersian_mathdigitsspec_error:nxx
5339   }
5340 }
5341
5342 \cs_new:Nn \__xepersian_mathdigitsspec_char_prepend_not_exist_error:nn
5343 {
5344   \clist_put_left:Nn \l_xepersian_mathdigitsspec_char_clist { #1 }
5345   \clist_map_inline:Nn \l_xepersian_mathdigitsspec_char_clist {
5346     \__xepersian_mathdigitsspec_primitive_font_char_if_exist:nF { ##1 } { \__xepersian_mathdigitsspec_error:nxx
5347   }
5348 }
5349
5350 \cs_new:Nn \__xepersian_mathdigitsspec_char_append_not_exist_error:nn
5351 {
5352   \clist_put_right:Nn \l_xepersian_mathdigitsspec_char_clist { #1 }

```



```

5353 \clist_map_inline:Nn \l_xepersian_mathdigitsspec_char_clist {
5354   \__xepersian_mathdigitsspec_primitive_font_char_if_exist:nF { ##1 } { \__xepersian_mathdi
5355 }
5356 }
5357
5358 \cs_new:Nn \__xepersian_mathdigitsspec_char_not_exist_error:n
5359 {
5360   \__xepersian_mathdigitsspec_char_set_not_exist_error:nn {
5361     06F0 , 06F1 , 06F2 , 06F3 , 06F4 , 06F5 , 06F6 , 06F7 , 06F8 ,
5362     06F9 , 066A , 066B
5363   } { #1 }
5364 }
5365
5366 \DeclareDocumentCommand \setmathdigitfont { 0{} m 0{} }
5367 {
5368   \__xepersian_main_setmathdigitfont:nn {#1,#3} {#2}
5369 }
5370 \cs_new:Nn \__xepersian_main_setmathdigitfont:nn
5371 {
5372   \let\glb@currsize\relax
5373   \fontspec_set_family:Nnn \g__xepersian_mathdigitsspec_family_tl {Ligatures=PersianTeX,#1} {#2}
5374   \__xepersian_setmathdigitfont_hook:nn {#1} {#2}
5375   \xepersian@PackageInfo{Defining the default Persian math digits font as '#2'}
5376   \DeclareSymbolFont{OPERATORS} {\g_fontspec_encoding_tl}{\g__xepersian_mathdigitsspec_family_tl}
5377   \DeclareSymbolFont{new@mathbf@font@digits}{\g_fontspec_encoding_tl}{\g__xepersian_mathdigitsspec_family_tl}
5378   \DeclareSymbolFont{new@mathit@font@digits}{\g_fontspec_encoding_tl}{\g__xepersian_mathdigitsspec_family_tl}
5379   \DeclareSymbolFont{new@mathrm@font@digits}{\g_fontspec_encoding_tl}{\g__xepersian_mathdigitsspec_family_tl}
5380   \__xepersian_mathdigitsspec_char_not_exist_error:n { #2 }
5381   \def\persianmathdigits{%
5382     \SetMathCode{`0}{\mathalpha}{OPERATORS}{`0}
5383     \SetMathCode{`1}{\mathalpha}{OPERATORS}{`1}
5384     \SetMathCode{`2}{\mathalpha}{OPERATORS}{`2}
5385     \SetMathCode{`3}{\mathalpha}{OPERATORS}{`3}
5386     \SetMathCode{`4}{\mathalpha}{OPERATORS}{`4}
5387     \SetMathCode{`5}{\mathalpha}{OPERATORS}{`5}
5388     \SetMathCode{`6}{\mathalpha}{OPERATORS}{`6}
5389     \SetMathCode{`7}{\mathalpha}{OPERATORS}{`7}
5390     \SetMathCode{`8}{\mathalpha}{OPERATORS}{`8}
5391     \SetMathCode{`9}{\mathalpha}{OPERATORS}{`9}
5392     \SetMathCode{`%}{\mathbin}{OPERATORS}{` }
5393     \SetMathCharDef{\persiandecimalseparator}{\mathord}{OPERATORS}{"066B}
5394     \tl_set_eq:NN \mathbf \new@mathbf
5395     \tl_set_eq:NN \mathit \new@mathit
5396     \tl_set_eq:NN \mathrm \new@mathrm}
5397 }
5398
5399 \cs_set_eq:NN \__xepersian_setmathdigitfont_hook:nn \use_none:nn
5400
5401 \DeclareDocumentCommand \setmathsfdigitfont { 0{} m 0{} }
5402 {
5403   \__xepersian_main_setmathsfdigitfont:nn {#1,#3} {#2}
5404 }
5405 \cs_new:Nn \__xepersian_main_setmathsfdigitfont:nn
5406 {

```



```

5407 \fontspec_set_family:Nnn \g__xepersian_mathsfdigitfamily_tl {Ligatures=PersianTeX,#1} {#2}
5408 \__xepersian_setmathsfdigitfont_hook:nn {#1} {#2}
5409     \DeclareSymbolFont{new@mathsf@font@digits}{\g_fontspec_encoding_tl}{\g__xepersian_mathsf}
5410     \__xepersian_mathdigitsspec_char_not_exist_error:n { #2 }
5411     \def\persianmathsfdigits{\tl_set_eq:NN \mathsf \new@mathsf}
5412 }
5413
5414 \cs_set_eq:NN \__xepersian_setmathsfdigitfont_hook:nn \use_none:nn
5415
5416 \DeclareDocumentCommand \setmathttdigitfont { 0{} m 0{} }
5417 {
5418     \__xepersian_main_setmathttdigitfont:nn {#1,#3} {#2}
5419 }
5420 \cs_new:Nn \__xepersian_main_setmathttdigitfont:nn
5421 {
5422     \fontspec_set_family:Nnn \g__xepersian_mathttdigitfamily_tl {Ligatures=PersianTeX,#1} {#2}
5423     \__xepersian_setmathttdigitfont_hook:nn {#1} {#2}
5424     \DeclareSymbolFont{new@mathtt@font@digits}{\g_fontspec_encoding_tl}{\g__xepersian_mathtt}
5425     \__xepersian_mathdigitsspec_char_not_exist_error:n { #2 }
5426     \def\persianmathttdigits{\tl_set_eq:NN \mathtt \new@mathtt}
5427 }
5428
5429 \cs_set_eq:NN \__xepersian_setmathttdigitfont_hook:nn \use_none:nn
5430
5431 \ExplSyntaxOff
5432 \mathchardef\decimalseparator@point="013A
5433 %{\%
5434 % \catcode`\.=\active
5435 % \gdef.{\begingroup\obeyspaces\futurelet\@let@decimalsep@token\decimalseparator@pointcheck}]
5436 \bgroup
5437 \uccode`~`~`.%
5438 \uppercase{%
5439 \egroup
5440 \def~}{\begingroup\obeyspaces\futurelet\@let@decimalsep@token\decimalseparator@pointcheck}]
5441 \def\decimalseparator@pointcheck{\decimalseparator@check\MathDecimalSeparator\decimalseparator@pointcheck}]
5442 \def\decimalseparator@check#1#2{%
5443     \ifx\@let@decimalsep@token1\endgroup#1\else
5444     \ifx\@let@decimalsep@token2\endgroup#1\else
5445     \ifx\@let@decimalsep@token3\endgroup#1\else
5446     \ifx\@let@decimalsep@token4\endgroup#1\else
5447     \ifx\@let@decimalsep@token5\endgroup#1\else
5448     \ifx\@let@decimalsep@token6\endgroup#1\else
5449     \ifx\@let@decimalsep@token7\endgroup#1\else
5450     \ifx\@let@decimalsep@token8\endgroup#1\else
5451     \ifx\@let@decimalsep@token9\endgroup#1\else
5452     \ifx\@let@decimalsep@token0\endgroup#1\else
5453     \ifx\@let@decimalsep@token\dot\endgroup#1\else
5454     \ifx\@let@decimalsep@token\overline\endgroup#1\else
5455     \endgroup#2%
5456     \fi
5457     \fi
5458     \fi
5459     \fi
5460     \fi

```



```

5461         \fi
5462     \fi
5463     \fi
5464     \fi
5465     \fi
5466     \fi
5467 \fi}
5468 \AtBeginDocument{\mathcode`.="8000\relax}
5469 \def\MathDecimalSeparator{\ifx\persiandecimalseparator\undefined .\else \persiandecimalsepara
5470 \def\DefaultMathDecimalSeparator{.}
5471 \def\DefaultInlineMathDigits{\def\SetInlineMathDigits{}}
5472 \def\DefaultDisplayMathDigits{\def\SetDisplayMathDigits{}}
5473 \def\DefaultMathDigits{%
5474     \DefaultInlineMathDigits%
5475     \DefaultDisplayMathDigits%
5476 }
5477 \def\PersianInlineMathDigits{\def\SetInlineMathDigits{%
5478 \ifx\persianmathdigits\undefined\else\persianmathdigits\fi%
5479 \ifx\persianmathsfdigits\undefined\else\persianmathsfdigits\fi%
5480 \ifx\persianmathttdigits\undefined\else\persianmathttdigits\fi}}
5481 \def\PersianDisplayMathDigits{\def\SetDisplayMathDigits{%
5482 \ifx\persianmathdigits\undefined\else\persianmathdigits\fi%
5483 \ifx\persianmathsfdigits\undefined\else\persianmathsfdigits\fi%
5484 \ifx\persianmathttdigits\undefined\else\persianmathttdigits\fi}}
5485 \def\PersianMathDigits{%
5486     \PersianInlineMathDigits%
5487     \PersianDisplayMathDigits%
5488 }
5489 \def\AutoInlineMathDigits{\def\SetInlineMathDigits{%
5490 \ifx\persianmathdigits\undefined\else\if@nonlatin\persianmathdigits\fi\fi%
5491 \ifx\persianmathsfdigits\undefined\else\if@nonlatin\persianmathsfdigits\fi\fi%
5492 \ifx\persianmathttdigits\undefined\else\if@nonlatin\persianmathttdigits\fi\fi}}
5493 \def\AutoDisplayMathDigits{\def\SetDisplayMathDigits{%
5494 \ifx\persianmathdigits\undefined\else\if@nonlatin\persianmathdigits\fi\fi%
5495 \ifx\persianmathsfdigits\undefined\else\if@nonlatin\persianmathsfdigits\fi\fi%
5496 \ifx\persianmathttdigits\undefined\else\if@nonlatin\persianmathttdigits\fi\fi}}
5497 \def\AutoMathDigits{%
5498     \AutoInlineMathDigits%
5499     \AutoDisplayMathDigits%
5500 }
5501 \AutoMathDigits
5502 \everymath\expandafter{\the\everymath\SetInlineMathDigits%
5503     \let\SetDisplayMathDigits\relax%
5504 }
5505 \everydisplay\expandafter{%
5506     \the\everydisplay\SetDisplayMathDigits%
5507     \let\SetInlineMathDigits\relax%
5508 }
5509
5510 \ExplSyntaxOn
5511 \cs_new_eq:NN \orig_MathDecimalSeparator \MathDecimalSeparator
5512
5513 \NewDocumentCommand \SwitchToDefaultMathDigits { } {
5514     \int_step_inline:nnnn { `0 } { \c_one_int } { `9 } {

```



```

5515 \SetMathCode{##1}{\mathalpha}{operators}{##1}
5516 }
5517 \SetMathCode{`}%}{\mathbin}{operators}{`}%}
5518 \tl_set_eq:NN \MathDecimalSeparator \DefaultMathDecimalSeparator
5519 \tl_set_eq:NN \mathbf \orig_mathbf:n
5520 \tl_set_eq:NN \mathit \orig_mathit:n
5521 \tl_set_eq:NN \mathrm \orig_mathrm:n
5522 \tl_set_eq:NN \mathsf \orig_mathsf:n
5523 \tl_set_eq:NN \mathtt \orig_mathtt:n
5524 }
5525
5526 \NewDocumentCommand \SwitchToPersianMathDigits { } {
5527 \int_step_inline:nnnn { `0 } { \c_one_int } { `9 } {
5528 \SetMathCode{##1}{\mathalpha}{OPERATORS}{##1}
5529 }
5530 \SetMathCode{`}%}{\mathbin}{OPERATORS}{` }
5531 \tl_set_eq:NN \MathDecimalSeparator \orig_MathDecimalSeparator
5532 \tl_set_eq:NN \mathbf \new@mathbf
5533 \tl_set_eq:NN \mathit \new@mathit
5534 \tl_set_eq:NN \mathrm \new@mathrm
5535 \tl_set_eq:NN \mathsf \new@mathsf
5536 \tl_set_eq:NN \mathtt \new@mathtt
5537 }
5538 \ExplSyntaxOff

```

## 63 File xepersian-multiplechoice.sty

```

5539 \NeedsTeXFormat{LaTeX2e}
5540 \ProvidesPackage{xepersian-multiplechoice}[2010/07/25 v0.2
5541 Multiple Choice Questionnaire class for Persian in XeLaTeX]
5542 \RequirePackage{pifont}
5543 \RequirePackage{fullpage}
5544 \RequirePackage{ifthen}
5545 \RequirePackage{calc}
5546 \RequirePackage{verbatim}
5547 \RequirePackage{tabularx}
5548 \def\@headerfont{\bfseries}
5549 \newcommand\headerfont[1]{\gdef\@headerfont{##1}}
5550 \def\@X{X}
5551 \newcommand\X[1]{\gdef\@X{##1}}
5552 \def\pbs#1{\let\tmp=\#1\let\=\tmp}
5553 \newcolumnntype{D}{>{\pbs\centering}X}
5554 \newcolumnntype{Q}{>{\@headerfont}X}
5555
5556 \renewcommand\tabularxcolumn[1]{m{##1}}
5557 \newcommand\makeform@nocorrection{%
5558 \addtocontents{frm}{\protect\end{tabularx}}
5559 \@starttoc{frm}}
5560 \newcommand\makeform@correction{%
5561 \addtocontents{frm}{\protect\end{tabularx}}}
5562 \newcommand\makemask@nocorrection{%
5563 \addtocontents{msk}{\protect\end{tabularx}}
5564 \@starttoc{msk}}
5565 \newcommand\makemask@correction{%

```



```

5566 \addtocontents{msk}{\protect\end{tabularx}}
5567 \newlength\questionspace
5568 \setlength\questionspace{Opt}
5569 \newcommand\answerstitle[1]{\gdef\@answerstitle{#1}}
5570 \def\@answerstitlefont{\bfseries}
5571 \newcommand\answerstitlefont[1]{\gdef\@answerstitlefont{#1}}
5572 \def\@answernumberfont{\bfseries}
5573 \newcommand\answernumberfont[1]{\gdef\@answernumberfont{#1}}
5574 \newcounter{question}\stepcounter{question}
5575 \newcounter{@choice}
5576 \def\@initiorcheck{%
5577 \xdef\@choices{\the@choice}%
5578 \setcounter{@choice}{1}%
5579 \gdef\@arraydesc{|Q||}%
5580 \gdef\@headerline{%
5581 \whiledo{\not{\value{@choice}>\@choices}}{
5582 \xdef\@arraydesc{\@arraydesc D|}
5583 \def\@appendheader{\g@addto@macro\@headerline}
5584 \@appendheader{&\protect\@headerfont}
5585 \edef\@the@choice{\alph{@choice}}
5586 \expandafter\@appendheader\@the@choice
5587 \stepcounter{@choice}}%
5588 \addtocontents{frm}{%
5589 \protect\begin{tabularx}{\protect\linewidth}{\@arraydesc}
5590 \protect\hline
5591 \@headerline\protect\\\protect\hline\protect\hline}%
5592 \addtocontents{msk}{%
5593 \protect\begin{tabularx}{\protect\linewidth}{\@arraydesc}
5594 \protect\hline
5595 \@headerline\protect\\\protect\hline\protect\hline}%
5596 \gdef\@initiorcheck{%
5597 \ifthenelse{\value{@choice} = \@choices}{}{%
5598 \ClassError{xepersian-multiplechoice}{Question \thequestion: wrong number of choices
5599 (\the@choice\space instead of \@choices)}{
5600 Questions must all have the same number of proposed answers.%
5601 \MessageBreak
5602 Type X <return> to quit, fix your MCQ (multiple choice question) and rerun XeLaTeX.}}
5603 \newenvironment{question}[1]{%
5604 %% \begin{question}
5605 \begin{minipage}{\textwidth}
5606 \xdef\@formanswerline{\@questionheader}%
5607 \xdef\@maskanswerline{\@questionheader}%
5608 \fbox{\parbox[c]{\linewidth}{#1}}
5609 \vspace\questionspace\par
5610 {\@answerstitlefont\@answerstitle}
5611 \begin{list}{\@answernumberfont\alph{@choice)}~{\usecounter{@choice}}}{%
5612 %% \end{question}
5613 \end{list}
5614 \@initiorcheck%
5615 \addtocontents{frm}{\@formanswerline\protect\\\protect\hline}%
5616 \addtocontents{msk}{\@maskanswerline\protect\\\protect\hline}%
5617 \end{minipage}
5618 \stepcounter{question}}
5619 \def\@truesymbol{\ding{52}~}

```



```

5620 \def\@falsesymbol{\ding{56}~}
5621 \newcommand\truesymbol[1]{\gdef\@truesymbol{#1}}
5622 \newcommand\falsesymbol[1]{\gdef\@falsesymbol{#1}}
5623 \def\@true@nocorrection{\item}
5624 \def\@false@nocorrection{\item}
5625 \def\@true@correction{\item[\@truesymbol\refstepcounter{@choice}]}
5626 \def\@false@correction{\item[\@falsesymbol\refstepcounter{@choice}]}
5627 \newcommand\true{%
5628 \xdef\@formanswerline{\@formanswerline&}%
5629 \xdef\@maskanswerline{\@maskanswerline\@X}%
5630 \@true}%
5631 \newcommand>false{%
5632 \xdef\@formanswerline{\@formanswerline&}%
5633 \xdef\@maskanswerline{\@maskanswerline&}%
5634 \@false}%
5635 \def\@correctionstyle{\itshape}
5636 \newcommand\correctionstyle[1]{\gdef\@correctionstyle{#1}}
5637 \newenvironment{correction}{\@correctionstyle}{\@correctionstyle}{}
5638 \def\@questionheader{ \thequestion}
5639 \answerstitle{ :
5640 \DeclareOption{nocorrection}{%
5641 \let\@true\@true@nocorrection
5642 \let\@false\@false@nocorrection
5643 \let\correction\comment
5644 \let\endcorrection\endcomment
5645 \def\makeform{\makeform@nocorrection}
5646 \def\makemask{\makemask@nocorrection}}
5647 \DeclareOption{correction}{%
5648 \let\@true\@true@correction
5649 \let\@false\@false@correction
5650 \let\correction\@correction
5651 \let\endcorrection\end@correction
5652 \def\makeform{\makeform@correction}
5653 \def\makemask{\makemask@correction}}
5654 \ExecuteOptions{nocorrection}
5655 \newcommand\questiontitle[1]{\gdef\@questiontitle{#1}}
5656 \def\@questiontitlefont{\bfseries}
5657 \newcommand\questiontitlefont[1]{\gdef\@questiontitlefont{#1}}
5658 \newlength\questiontitlespace
5659 \setlength\questiontitlespace{5pt}
5660 \newlength\questionsepspace
5661 \setlength\questionsepspace{20pt}
5662 \gdef\@questionsepspace{0pt}
5663 \let\old@question\question
5664 \let\old@endquestion\endquestion
5665 \renewenvironment{question}[1]{%
5666 %% \begin{question}
5667 \vspace\@questionsepspace
5668 \fbox{\parbox[c]{0.25\linewidth}{\@questiontitlefont\@questiontitle}}
5669 \nopagebreak\vspace\questiontitlespace\par
5670 \old@question{#1}}{%
5671 %% \end{question}
5672 \old@endquestion
5673 \gdef\@questionsepspace{\questionsepspace}}

```



```

5674 \questiontitle{ \thequestion:}
5675 \ProcessOptions

```

## 64 File xepersian-persiancal.sty

```

5676 \NeedsTeXFormat{LaTeX2e}
5677 \ProvidesPackage{xepersian-persiancal}[2025/01/01 v0.3 provides Persian calendar]
5678
5679 \newif\ifXePersian@leap \newif\ifXePersian@kabiseh
5680 \newcount\XePersian@i \newcount\XePersian@y \newcount\XePersian@m \newcount\XePersian@d
5681 \newcount\XePersian@latini \newcount\XePersian@persiani
5682 \newcount\XePersian@latinii \newcount\XePersian@persianii
5683 \newcount\XePersian@latiniii \newcount\XePersian@persianiii
5684 \newcount\XePersian@latiniv \newcount\XePersian@persianiv
5685 \newcount\XePersian@latinv \newcount\XePersian@persianv
5686 \newcount\XePersian@latinvi \newcount\XePersian@persianvi
5687 \newcount\XePersian@latinvii \newcount\XePersian@persianvii
5688 \newcount\XePersian@latinviii \newcount\XePersian@persianviii
5689 \newcount\XePersian@latinix \newcount\XePersian@persianix
5690 \newcount\XePersian@latinx \newcount\XePersian@persianx
5691 \newcount\XePersian@latinxi \newcount\XePersian@persianxi
5692 \newcount\XePersian@latinxii \newcount\XePersian@persianxii
5693 \newcount\XePersian@persianxiii
5694
5695 \newcount\XePersian@temp
5696 \newcount\XePersian@temptwo
5697 \newcount\XePersian@tempthree
5698 \newcount\XePersian@yModHundred
5699 \newcount\XePersian@thirtytwo
5700 \newcount\XePersian@dn
5701 \newcount\XePersian@sn
5702 \newcount\XePersian@mminusone
5703
5704
5705 \XePersian@y=\year \XePersian@m=\month \XePersian@d=\day
5706 \XePersian@temp=\XePersian@y
5707 \divide\XePersian@temp by 100\relax
5708 \multiply\XePersian@temp by 100\relax
5709 \XePersian@yModHundred=\XePersian@y
5710 \advance\XePersian@yModHundred by -\XePersian@temp\relax
5711 \ifodd\XePersian@yModHundred
5712 \XePersian@leapfalse
5713 \else
5714 \XePersian@temp=\XePersian@yModHundred
5715 \divide\XePersian@temp by 2\relax
5716 \ifodd\XePersian@temp\XePersian@leapfalse
5717 \else
5718 \ifnum\XePersian@yModHundred=0%
5719 \XePersian@temp=\XePersian@y
5720 \divide\XePersian@temp by 400\relax
5721 \multiply\XePersian@temp by 400\relax
5722 \ifnum\XePersian@y=\XePersian@temp\XePersian@leaptrue\else\XePersian@leapfalse\fi
5723 \else\XePersian@leaptrue
5724 \fi

```





```

5725 \fi
5726 \fi
5727 \XePersian@latini=31\relax
5728 \ifXePersian@leap
5729 \XePersian@latinii = 29\relax
5730 \else
5731 \XePersian@latinii = 28\relax
5732 \fi
5733 \XePersian@latiniii = 31\relax
5734 \XePersian@latiniv = 30\relax
5735 \XePersian@latinv = 31\relax
5736 \XePersian@latinvi = 30\relax
5737 \XePersian@latinvii = 31\relax
5738 \XePersian@latinviii = 31\relax
5739 \XePersian@latinix = 30\relax
5740 \XePersian@latinx = 31\relax
5741 \XePersian@latinxi = 30\relax
5742 \XePersian@latinxii = 31\relax
5743 \XePersian@thirtytwo=32\relax
5744 \XePersian@temp=\XePersian@y
5745 \advance\XePersian@temp by -17\relax
5746 \XePersian@temptwo=\XePersian@temp
5747 \divide\XePersian@temptwo by 33\relax
5748 \multiply\XePersian@temptwo by 33\relax
5749 \advance\XePersian@temp by -\XePersian@temptwo
5750 \ifnum\XePersian@temp=\XePersian@thirtytwo\XePersian@kabisehfalse
5751 \else
5752 \XePersian@temptwo=\XePersian@temp
5753 \divide\XePersian@temptwo by 4\relax
5754 \multiply\XePersian@temptwo by 4\relax
5755 \advance\XePersian@temp by -\XePersian@temptwo
5756 \ifnum\XePersian@temp=\z@\XePersian@kabisehtrue\else\XePersian@kabisehfalse\fi
5757 \fi
5758 \XePersian@tempthree=\XePersian@y % Number of Leap years
5759 \advance\XePersian@tempthree by -1
5760 \XePersian@temp=\XePersian@tempthree % T := (MY-1) div 4
5761 \divide\XePersian@temp by 4\relax
5762 \XePersian@temptwo=\XePersian@tempthree % T := T - ((MY-1) div 100)
5763 \divide\XePersian@temptwo by 100\relax
5764 \advance\XePersian@temp by -\XePersian@temptwo
5765 \XePersian@temptwo=\XePersian@tempthree % T := T + ((MY-1) div 400)
5766 \divide\XePersian@temptwo by 400\relax
5767 \advance\XePersian@temp by \XePersian@temptwo
5768 \advance\XePersian@tempthree by -611 % Number of Kabise years
5769 \XePersian@temptwo=\XePersian@tempthree % T := T - ((SY+10) div 33) * 8
5770 \divide\XePersian@temptwo by 33\relax
5771 \multiply\XePersian@temptwo by 8\relax
5772 \advance\XePersian@temp by -\XePersian@temptwo
5773 \XePersian@temptwo=\XePersian@tempthree %
5774 \divide\XePersian@temptwo by 33\relax
5775 \multiply\XePersian@temptwo by 33\relax
5776 \advance\XePersian@tempthree by -\XePersian@temptwo
5777 \ifnum\XePersian@tempthree=32\advance\XePersian@temp by 1\fi % if (SY+10) mod 33=32 then Inc
5778 \divide\XePersian@tempthree by 4\relax % T := T - ((SY+10) mod 33) div 4

```



```

5779 \advance\XePersian@temp by -\XePersian@tempthree
5780 \advance\XePersian@temp by -137 % T := T - 137 Adjust the value
5781 \XePersian@persiani=31
5782 \advance\XePersian@persiani by -\XePersian@temp % now 31 - T is the persiani
5783 \XePersian@persianii = 30\relax
5784 \ifXePersian@kabiseh
5785 \XePersian@persianiii = 30\relax
5786 \else
5787 \XePersian@persianiii = 29\relax
5788 \fi
5789 \XePersian@persianiv = 31\relax
5790 \XePersian@persianv = 31\relax
5791 \XePersian@persianvi = 31\relax
5792 \XePersian@persianvii = 31\relax
5793 \XePersian@persianviii= 31\relax
5794 \XePersian@persianix = 31\relax
5795 \XePersian@persianx = 30\relax
5796 \XePersian@persianxi = 30\relax
5797 \XePersian@persianxii = 30\relax
5798 \XePersian@persianxiii= 30\relax
5799 \XePersian@dn= 0\relax
5800 \XePersian@sn= 0\relax
5801 \XePersian@mminusone=\XePersian@m
5802 \advance\XePersian@mminusone by -1\relax
5803 \XePersian@i=0\relax
5804 \ifnum\XePersian@i < \XePersian@mminusone
5805 \loop
5806 \advance \XePersian@i by 1\relax
5807 \advance\XePersian@dn by \csname XePersian@latin\romannumeral\the\XePersian@i\endcsname
5808 \ifnum\XePersian@i<\XePersian@mminusone \repeat
5809 \fi
5810 \advance \XePersian@dn by \XePersian@d
5811 \XePersian@i=1\relax
5812 \XePersian@sn = \XePersian@persiani
5813 \ifnum \XePersian@sn<\XePersian@dn
5814 \loop
5815 \advance \XePersian@i by 1\relax
5816 \advance\XePersian@sn by \csname XePersian@persian\romannumeral\the\XePersian@i\endcsname
5817 \ifnum \XePersian@sn<\XePersian@dn \repeat
5818 \fi
5819 \ifnum \XePersian@i < 4
5820 \XePersian@m = 9 \advance\XePersian@m by \XePersian@i
5821 \advance \XePersian@y by -622\relax
5822 \else
5823 \XePersian@m = \XePersian@i \advance \XePersian@m by -3\relax
5824 \advance \XePersian@y by -621\relax
5825 \fi
5826 \advance\XePersian@sn by -\csname XePersian@persian\romannumeral\the\XePersian@i%
5827 \endcsname
5828 \ifnum\XePersian@i = 1
5829 \XePersian@d = \XePersian@dn \advance \XePersian@d by 30 \advance\XePersian@d by -\XePersian@
5830 \else
5831 \XePersian@d = \XePersian@dn \advance \XePersian@d by -\XePersian@sn
5832 \fi

```



```

5833 \newcommand*{\persiantoday}{%
5834 \number\XePersian@d\space%
5835 \XePersian@persian@month{\XePersian@m}\space\number\XePersian@y%
5836 }
5837 \let\persianyear\XePersian@y
5838 \let\persianmonth\XePersian@m
5839 \let\persianday\XePersian@d
5840 \def\XePersian@persian@month#1{\ifcase#1\or or\
5841 or\
5842 or\ or\
5843 or\
5844 or\ or\
5845 or\ or\
5846 or\ or\
5847 \fi\
5848
5849 \newcommand*{\persianseason}{%
5850 \ifcase\persianmonth\or
5851 or\ or\ or\ or\ or\ or\
5852 or\ or\ or\ or\ or\ \fi\
5853 }

```



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