



The XePersian *Package*

Source documentation for version 23.9

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/kvafa/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/kvafa/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^AT_EX 2_ε, using XeT_EX engine

Source documentation for [version 23.9](#)

Vafa Khalighi*

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1 File algorithmic-xepersian.def

```

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

```

2 File algorithm-xepersian.def

```

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

```

3 File amsart-xepersian.def

```

8 \ProvidesFile{amsart-xepersian.def}[2017/02/04 v0.4 adaptations for amsart class]
9 \renewcommand \thepart {\@tartibi\c@part}
10 \def\appendix{\par\c@section\z@ \c@subsection\z@
11 \let\sectionname\appendixname
12 \def\thesection{\@harfi\c@section}}
13

```

4 File amsbook-xepersian.def

```

14 \ProvidesFile{amsbook-xepersian.def}[2017/02/04 v0.5 adaptations for amsbook class]
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-xepersian.def

```

23 \ProvidesFile{appendix-xepersian.def}[2015/02/01 v0.1 adaptations for appendix package]
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-xepersian.def

```

38 \ProvidesFile{article-xepersian.def}[2010/07/25 v0.2 adaptations for standard article class]
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-xepersian.def

```

44 \ProvidesFile{artikel1-xepersian.def}[2010/07/25 v0.1 adaptations for artikel1 class]
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-xepersian.def

```

50 \ProvidesFile{artikel2-xepersian.def}[2010/07/25 v0.1 adaptations for artikel2 class]
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-xepersian.def

```

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

```



```

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-xepersian.def

```

62 \ProvidesFile{backref-xepersian.def}[2010/07/25 v0.1 adaptations for backref package]
63 \def\backrefpagesname{\if@RTL 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 bidentuftsidenote-xepersian.def

```

82 \ProvidesFile{bidentuftsidenote-xepersian.def}[2017/02/04 v0.3 xepersian changes to bidentuftsidenote]
83
84 \setLTRcitationfont{\resetlatinfont\footnotesize}
85
86 \renewcommand*\@bidentuftsidenote@LTRmarginfont{\resetlatinfont\footnotesize}
87
88 \renewcommand*\@bidentuftsidenote@RTLmarginfont{\setpersianfont\footnotesize}
89
90

```

12 File bidimoderncv-xepersian.def

```

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

```

13 File boek3-xepersian.def

```

93 \ProvidesFile{boek3-xepersian.def}[2010/07/25 v0.1 adaptations for boek3 class]
94 \renewcommand*\thepart{\@tartibi\c@part}
95 \renewcommand*\frontmatter{%
96   \cleardoublepage
97   \@mainmatterfalse
98   \pagenumbering{harfi}}

```



```

99 \renewcommand*\appendix{\par
100 \setcounter{chapter}{0}%
101 \setcounter{section}{0}%
102 \gdef\@chapapp{\appendixname}%
103 \gdef\thechapter{\@harfi\c@chapter}}

```

14 File boek-xepersian.def

```

104 \ProvidesFile{boek-xepersian.def}[2010/07/25 v0.1 adaptations for boek class]
105 \renewcommand*\thepart{\@tartibi\c@part}
106 \renewcommand*\frontmatter{%
107 \cleardoublepage
108 \@mainmatterfalse
109 \pagenumbering{harfi}}
110 \renewcommand*\appendix{\par
111 \setcounter{chapter}{0}%
112 \setcounter{section}{0}%
113 \gdef\@chapapp{\appendixname}%
114 \gdef\thechapter{\@harfi\c@chapter}}

```

15 File bookest-xepersian.def

```

115 \ProvidesFile{bookest-xepersian.def}[2010/07/25 v0.1 adaptations for bookest class]
116 \renewcommand \thepart {\@tartibi\c@part}
117 \renewcommand\appendix{\par
118 \setcounter{chapter}{0}%
119 \setcounter{section}{0}%
120 \gdef\@chapapp{\appendixname}%
121 \gdef\thechapter{\@harfi\c@chapter}
122 }%end appendix

```

16 File book-xepersian.def

```

123 \ProvidesFile{book-xepersian.def}[2010/07/25 v0.2 adaptations for standard book class]
124 \renewcommand\frontmatter{%
125 \cleardoublepage
126 \@mainmatterfalse
127 \pagenumbering{harfi}}
128 \renewcommand \thepart {\@tartibi\c@part}
129 \renewcommand\appendix{\par
130 \setcounter{chapter}{0}%
131 \setcounter{section}{0}%
132 \gdef\@chapapp{\appendixname}%
133 \gdef\thechapter{\@harfi\c@chapter}
134 }%end appendix

```

17 File breqn-xepersian.def

```

135 \ProvidesFile{breqn-xepersian.def}[2010/07/25 v0.1 adaptations for breqn package]
136 \def\@dmath[#1]{\if@RTL\@RTLfalse\addfontfeatures{Mapping=farsidigits}\fi%
137 \everydisplay\expandafter{\the\everydisplay \display@setup}%
138 \if@noskipsec \leavevmode \fi
139 \if@inlabel \leavevmode \global\@inlabelfalse \fi
140 \if\eq@group\else\eq@prelim\fi

```



```

141 \setkeys{breqn}{#1}%
142 \the\eqstyle
143 \eq@setnumber
144 \begingroup
145 \eq@setup@a
146 \eq@startup
147 }
148 \def\@dgroup[#1]{\if@RTL\@RTLfalse\addfontfeatures{Mapping=farsidigits}\fi%
149 \let\eq@group\@True \global\let\eq@GRP@first@dmath\@True
150 \global\GRP@queue\@emptytoks \global\setbox\GRP@box\box\voidb@x
151 \global\let\GRP@label\@empty
152 \global\grp@wdL\z@\global\grp@wdR\z@\global\grp@wdT\z@
153 \global\grp@linewidth\z@\global\grp@wdNum\z@
154 \global\let\grp@eqs@numbered\@False
155 \global\let\grp@aligned\@True
156 \global\let\grp@shiftnumber\@False
157 \eq@prelim
158 \setkeys{breqn}{#1}%
159 \if\grp@hasNumber \grp@setnumber \fi
160 }
161 \def\@dseries[#1]{\if@RTL\@RTLfalse\addfontfeatures{Mapping=farsidigits}\fi%
162 \let\display@setup\dseries@display@setup
163 % Question: should this be the default for dseries???
164 \global\eq@wdCond\z@
165 \@dmath[layout={M},#1]%
166 \mathsurround\z@\@math \penalty\@Mi
167 \let\endmath\ends@math
168 \def\premath{%
169 \ifdim\lastskip<.3em \unskip
170 \else\ifnum\lastpenalty<\@M \dquad\fi\fi
171 }%
172 \def\postmath{\unpenalty\eq@addpunct \penalty\intermath@penalty \dquad \@ignoretrue}%
173 \ignorespaces
174 }

```

18 File latex-localise-commands-xepersian.def

```

175 \ProvidesFile{latex-localise-commands-xepersian.def}[2014/02/05 v0.3 Persian localisation of
176 \eqcommand{ }{@arstrut}
177 \eqcommand{ }{above}
178 \eqcommand{ }{abovedisplayshortskip}
179 \eqcommand{ }{abovedisplayskip}
180 \eqcommand{ }{abstractname}
181 \eqcommand{ }{accent}
182 \eqcommand{ }{active}
183 \eqcommand{ }{addcontentsline}
184 \eqcommand{ }{addpenalty}
185 \eqcommand{ }{address}
186 \eqcommand{ }{addtocontents}
187 \eqcommand{ }{addtocounter}
188 \eqcommand{ }{addtolength}
189 \eqcommand{ }{addvspace}
190 \eqcommand{ }{adjdemerits}
191 \eqcommand{ }{advance}

```



```

192 \eqcommand{      }{afterassignment}
193 \eqcommand{      }{aftergroup}
194 \eqcommand{ }{aleph}
195 \eqcommand{      }{aliasfontfeature}
196 \eqcommand{      }{aliasfontfeatureoption}
197 \eqcommand{ }{allowbreak}
198 \eqcommand{ @}{alloc@}
199 \eqcommand{      }{allocationnumber}
200 \eqcommand{      }{allowdisplaybreaks}
201 \eqcommand{      }{Alph}
202 \eqcommand{      }{alph}
203 \eqcommand{      }{alsoname}
204 \eqcommand{ }{and}
205 \eqcommand{      }{angle}
206 \eqcommand{      }{appendixname}
207 \eqcommand{      }{approx}
208 \eqcommand{      }{arabic}
209 \eqcommand{ }{arg}
210 \eqcommand{      }{arrayrulecolor}
211 \eqcommand{      }{arraycolsep}
212 \eqcommand{      }{arrayrulewidth}
213 \eqcommand{      }{arraystretch}
214 \eqcommand{      }{AtBeginDocument}
215 \eqcommand{      }{AtEndDocument}
216 \eqcommand{      }{AtEndOfClass}
217 \eqcommand{      }{AtEndOfPackage}
218 \eqcommand{      }{author}
219 \eqcommand{      }{backmatter}
220 \eqcommand{      }{backslash}
221 \eqcommand{      }{badness}
222 \eqcommand{ }{bar}
223 \eqcommand{      }{baselineskip}
224 \eqcommand{      }{baselinestretch}
225 \eqcommand{      }{batchmode}
226 \eqcommand{ }{begin}
227 \eqcommand{      }{beginL}
228 \eqcommand{      }{beginR}
229 \eqcommand{      }{begingroup}
230 \eqcommand{      }{belowdisplayskip}
231 \eqcommand{      }{belowdisplayshortskip}
232 \eqcommand{ }{bf}
233 \eqcommand{      }{bfdefault}
234 \eqcommand{      }{bfseries}
235 \eqcommand{      }{bgroup}
236 \eqcommand{      }{bibitem}
237 \eqcommand{      }{bibliography}
238 \eqcommand{      }{bibliographystyle}
239 \eqcommand{      }{bibname}
240 \eqcommand{      }{bigskip}
241 \eqcommand{      }{bigskipamount}
242 \eqcommand{      }{botfigrule}
243 \eqcommand{      }{botmark}
244 \eqcommand{      }{bottompageskip}
245 \eqcommand{      }{bottomfraction}

```




```

246 \eqcommand{ }{box}
247 \eqcommand{ }{boxmaxdepth}
248 \eqcommand{ }{break}
249 \eqcommand{ }{bullet}
250 \eqcommand{ @ }{@cclv}
251 \eqcommand{ @ }{@cclvi}
252 \eqcommand{ }{caption}
253 \eqcommand{ }{catcode}
254 \eqcommand{ }{cc}
255 \eqcommand{ }{ccname}
256 \eqcommand{ }{cdot}
257 \eqcommand{ }{cdots}
258 \eqcommand{ }{centering}
259 \eqcommand{ }{centerline}
260 \eqcommand{ @ }{ch@ck}
261 \eqcommand{ }{chapter}
262 \eqcommand{ }{chaptername}
263 \eqcommand{ }{char}
264 \eqcommand{ }{chardef}
265 \eqcommand{ }{CheckCommand}
266 \eqcommand{ }{cite}
267 \eqcommand{ }{ClassError}
268 \eqcommand{ }{ClassInfo}
269 \eqcommand{ }{ClassWarning}
270 \eqcommand{ }{ClassWarningNoLine}
271 \eqcommand{ }{cleaders}
272 \eqcommand{ }{cleardoublepage}
273 \eqcommand{ }{clearpage}
274 \eqcommand{ }{cline}
275 \eqcommand{ }{closein}
276 \eqcommand{ }{closeout}
277 \eqcommand{ }{closing}
278 \eqcommand{ }{clubpenalty}
279 \eqcommand{ }{clubsuit}
280 \eqcommand{ }{colbotmark}
281 \eqcommand{ }{colfirstmark}
282 \eqcommand{ }{color}
283 \eqcommand{ }{colorbox}
284 \eqcommand{ }{coltopmark}
285 \eqcommand{ }{columncolor}
286 \eqcommand{ }{columnsep}
287 \eqcommand{ }{columnwidth}
288 \eqcommand{ }{columnseprule}
289 \eqcommand{ }{contentsline}
290 \eqcommand{ }{contentsname}
291 \eqcommand{ }{copy}
292 \eqcommand{ }{copyright}
293 \eqcommand{ }{count}
294 \eqcommand{ @ }{count@}
295 \eqcommand{ }{countdef}
296 \eqcommand{ }{cr}
297 \eqcommand{ }{crr}
298 \eqcommand{ }{csname}
299 \eqcommand{ }{CurrentOption}

```



```

300 \eqcommand{      }\{dashbox\}
301 \eqcommand{      }\{dashv\}
302 \eqcommand{@     }\{@date\}
303 \eqcommand{      }\{date\}
304 \eqcommand{      }\{day\}
305 \eqcommand{      }\{dblbotfigrule\}
306 \eqcommand{      }\{dblbottomfraction\}
307 \eqcommand{      }\{dblfigrule\}
308 \eqcommand{      }\{dblfloatpagefraction\}
309 \eqcommand{      }\{dblfloatsep\}
310 \eqcommand{      }\{dblftntlocatecode\}
311 \eqcommand{      }\{dbltextfloatsep\}
312 \eqcommand{      }\{dbltopfraction\}
313 \eqcommand{      }\{DeclareFixedFont\}
314 \eqcommand{      }\{DeclareGraphicsExtensions\}
315 \eqcommand{      }\{DeclareGraphicsRule\}
316 \eqcommand{      }\{DeclareOldFontCommand\}
317 \eqcommand{      }\{DeclareOption\}
318 \eqcommand{      }\{DeclareRobustCommand\}
319 \eqcommand{      }\{DeclareSymbolFont\}
320 \eqcommand{      }\{deadcycles\}
321 \eqcommand{ }{\def}
322 \eqcommand{ @   }\{define@key\}
323 \eqcommand{      }\{definecolor\}
324 \eqcommand{      }\{deg\}
325 \eqcommand{      }\{delcode\}
326 \eqcommand{      }\{delimiter\}
327 \eqcommand{      }\{delimiterfactor\}
328 \eqcommand{      }\{depth\}
329 \eqcommand{      }\{diamondsuit\}
330 \eqcommand{      }\{dim\}
331 \eqcommand{      }\{dimen\}
332 \eqcommand{ @   }\{dimen@ \}
333 \eqcommand{ @   }\{dimen@i\}
334 \eqcommand{ @   }\{dimen@ii\}
335 \eqcommand{      }\{dimendef\}
336 \eqcommand{      }\{discretionary\}
337 \eqcommand{      }\{displaybreak\}
338 \eqcommand{      }\{displayindent\}
339 \eqcommand{      }\{displaystyle\}
340 \eqcommand{      }\{displaywidth\}
341 \eqcommand{      }\{divide\}
342 \eqcommand{      }\{documentclass\}
343 \eqcommand{ }{\do}
344 \eqcommand{      }\{dospecials\}
345 \eqcommand{      }\{dot\}
346 \eqcommand{      }\{doteq\}
347 \eqcommand{      }\{dotfill\}
348 \eqcommand{      }\{dots\}
349 \eqcommand{      }\{doublebox\}
350 \eqcommand{      }\{doublerulesepcolor\}
351 \eqcommand{      }\{doublerulesep\}
352 \eqcommand{      }\{downarrow\}
353 \eqcommand{      }\{dp\}

```



```

354 \eqcommand{ }{dump}
355 \eqcommand{ }{edef}
356 \eqcommand{ }{egroup}
357 \eqcommand{ }{eject}
358 \eqcommand{ }{else}
359 \eqcommand{ }{em}
360 \eqcommand{ }{emergencystretch}
361 \eqcommand{ }{emph}
362 \eqcommand{@ }{@empty}
363 \eqcommand{ }{empty}
364 \eqcommand{ }{emptyset}
365 \eqcommand{ }{end}
366 \eqcommand{ }{endL}
367 \eqcommand{ }{endR}
368 \eqcommand{ }{endcsname}
369 \eqcommand{ }{endfirsthead}
370 \eqcommand{ }{endfoot}
371 \eqcommand{ }{endgraf}
372 \eqcommand{ }{endgroup}
373 \eqcommand{ }{endhead}
374 \eqcommand{ }{endinput}
375 \eqcommand{ }{endlastfoot}
376 \eqcommand{ }{enlargethispage}
377 \eqcommand{ }{endline}
378 \eqcommand{ }{endlinechar}
379 \eqcommand{ }{enspace}
380 \eqcommand{ }{enskip}
381 \eqcommand{ }{eqcommand}
382 \eqcommand{ }{eqenvironment}
383 \eqcommand{ }{eqref}
384 \eqcommand{ }{errhelp}
385 \eqcommand{ }{errmessage}
386 \eqcommand{ }{errorcontextlines}
387 \eqcommand{ }{errorstopmode}
388 \eqcommand{ }{escapechar}
389 \eqcommand{ }{euro}
390 \eqcommand{ }{evensidemargin}
391 \eqcommand{ }{everycr}
392 \eqcommand{ }{everydisplay}
393 \eqcommand{ }{everyhbox}
394 \eqcommand{ }{everyjob}
395 \eqcommand{ }{everymath}
396 \eqcommand{ }{everypar}
397 \eqcommand{ }{everyvbox}
398 \eqcommand{ }{ExecuteOptions}
399 \eqcommand{ }{exhyphenpenalty}
400 \eqcommand{ }{expandafter}
401 \eqcommand{ }{extracolsep}
402 \eqcommand{@ }{@firstofone}
403 \eqcommand{@ }{@firstoftwo}
404 \eqcommand{ @ }{f@ur}
405 \eqcommand{ }{fam}
406 \eqcommand{ }{fancypage}
407 \eqcommand{ }{fbox}

```



```

408 \eqcommand{      }{fboxrule}
409 \eqcommand{      }{fboxsep}
410 \eqcommand{      }{fcolorbox}
411 \eqcommand{ }{fi}
412 \eqcommand{      }{figurename}
413 \eqcommand{      }{filbreak}
414 \eqcommand{ }{fill}
415 \eqcommand{      }{firstmark}
416 \eqcommand{ }{flat}
417 \eqcommand{      }{floatpagefraction}
418 \eqcommand{      }{floatingpenalty}
419 \eqcommand{      }{floatsep}
420 \eqcommand{      }{flushbottom}
421 \eqcommand{      }{fmtname}
422 \eqcommand{      }{fmtversion}
423 \eqcommand{      }{fnsymbol}
424 \eqcommand{ }{font}
425 \eqcommand{      }{fontdimen}
426 \eqcommand{      }{fontencoding}
427 \eqcommand{      }{fontfamily}
428 \eqcommand{      }{fontname}
429 \eqcommand{      }{fontseries}
430 \eqcommand{      }{fontshape}
431 \eqcommand{      }{fontsize}
432 \eqcommand{      }{footheight}
433 \eqcommand{      }{footins}
434 \eqcommand{      }{footnote}
435 \eqcommand{      }{footnotemark}
436 \eqcommand{      }{footnoterule}
437 \eqcommand{      }{footnotesep}
438 \eqcommand{      }{footnotesize}
439 \eqcommand{      }{footnotetext}
440 \eqcommand{      }{footskip}
441 \eqcommand{ }{frame}
442 \eqcommand{      }{framebox}
443 \eqcommand{      }{frenchspacing}
444 \eqcommand{      }{frontmatter}
445 \eqcommand{      }{futurelet}
446 \eqcommand{@      }{@gobble}
447 \eqcommand{@      }{@gobbletwo}
448 \eqcommand{@      }{@gobblefour}
449 \eqcommand{@      }{@gtempa}
450 \eqcommand{@      }{@gtempb}
451 \eqcommand{ }{gdef}
452 \eqcommand{      }{GenericInfo}
453 \eqcommand{      }{GenericWarning}
454 \eqcommand{      }{GenericError}
455 \eqcommand{ }{global}
456 \eqcommand{      }{globaldefs}
457 \eqcommand{      }{glossary}
458 \eqcommand{      }{glossaryentry}
459 \eqcommand{      }{goodbreak}
460 \eqcommand{      }{graphpaper}
461 \eqcommand{      }{guillemotleft}

```



```

462 \eqcommand{ }{guillemotright}
463 \eqcommand{ }{guilsinglleft}
464 \eqcommand{ }{guilsinglright}
465 \eqcommand{ }{halign}
466 \eqcommand{ }{hang}
467 \eqcommand{ }{hangafter}
468 \eqcommand{ }{hangindent}
469 \eqcommand{ }{hbadness}
470 \eqcommand{ }{hbox}
471 \eqcommand{ }{headheight}
472 \eqcommand{ }{headsep}
473 \eqcommand{ }{headtoname}
474 \eqcommand{ }{heartsuit}
475 \eqcommand{ }{height}
476 \eqcommand{ }{hfil}
477 \eqcommand{ }{hfill}
478 \eqcommand{ }{hfilneg}
479 \eqcommand{ }{hfuzz}
480 \eqcommand{ }{hideskip}
481 \eqcommand{ }{hidewidth}
482 \bidi@csletcs{ }{hline}% this is an exception
483 \eqcommand{ }{hoffset}
484 \eqcommand{ }{holdinginserts}
485 \eqcommand{ }{hrboxsep}
486 \eqcommand{ }{hrule}
487 \eqcommand{ }{hrulefill}
488 \eqcommand{ }{hsize}
489 \eqcommand{ }{hskip}
490 \eqcommand{ }{hspace}
491 \eqcommand{ }{hss}
492 \eqcommand{ }{ht}
493 \eqcommand{ }{huge}
494 \eqcommand{ }{Huge}
495 \eqcommand{ }{hyperlink}
496 \eqcommand{ }{hypersetup}
497 \eqcommand{ }{hypertarget}
498 \eqcommand{ }{hyphenation}
499 \eqcommand{ }{hyphenchar}
500 \eqcommand{ }{hyphenpenalty}
501 \eqcommand{@ }{@ifclassloaded}
502 \eqcommand{@ }{@ifdefinable}
503 \eqcommand{@ }{@ifnextchar}
504 \eqcommand{@ }{@ifpackageloaded}
505 \eqcommand{@ }{@ifstar}
506 \eqcommand{@ }{@ifundefined}
507 \eqcommand{ }{if}
508 \eqcommand{ @ }{if@tempswa}
509 \eqcommand{ }{ifcase}
510 \eqcommand{ }{ifcat}
511 \eqcommand{ }{ifdefined}
512 \eqcommand{ }{ifdim}
513 \eqcommand{ }{ifeof}
514 \eqcommand{ }{iff}
515 \eqcommand{ }{iffalse}

```



```

516 \eqcommand{      }\{IfFileExists\}
517 \eqcommand{      }\{ifhbox\}
518 \eqcommand{      }\{ifhmode\}
519 \eqcommand{      }\{ifinner\}
520 \eqcommand{      }\{ifmmode\}
521 \eqcommand{      }\{ifnum\}
522 \eqcommand{      }\{ifodd\}
523 \eqcommand{      }\{ifthenelse\}
524 \eqcommand{      }\{iftrue\}
525 \eqcommand{      }\{ifvbox\}
526 \eqcommand{      }\{ifvmode\}
527 \eqcommand{      }\{ifvoid\}
528 \eqcommand{      }\{ifx\}
529 \eqcommand{      }\{ignorespaces\}
530 \eqcommand{      }\{immediate\}
531 \eqcommand{      }\{include\}
532 \eqcommand{      }\{includegraphics\}
533 \eqcommand{      }\{includeonly\}
534 \eqcommand{      }\{indent\}
535 \eqcommand{      }\{index\}
536 \eqcommand{      }\{indexentry\}
537 \eqcommand{      }\{indexname\}
538 \eqcommand{      }\{indexspace\}
539 \eqcommand{      }\{input\}
540 \eqcommand{      }\{InputIfFileExists\}
541 \eqcommand{      }\{inputlineno\}
542 \eqcommand{      }\{insert\}
543 \eqcommand{      }\{insertpenalties\}
544 \eqcommand{      }\{interfootnotelinepenalty\}
545 \eqcommand{      }\{interdisplaylinepenalty\}
546 \eqcommand{      }\{interlinepenalty\}
547 \eqcommand{      }\{intertext\}
548 \eqcommand{      }\{intertextsep\}
549 \eqcommand{      }\{invisible\}
550 \eqcommand{      }\{itdefault\}
551 \eqcommand{      }\{itshape\}
552 \eqcommand{      }\{item\}
553 \eqcommand{      }\{itemindent\}
554 \eqcommand{      }\{itemsep\}
555 \eqcommand{      }\{iterate\}
556 \eqcommand{      }\{itshape\}
557 \eqcommand{      }\{jobname\}
558 \eqcommand{      }\{jot\}
559 \eqcommand{      }\{kern\}
560 \eqcommand{      }\{kill\}
561 \eqcommand{      }\{label\}
562 \eqcommand{      }\{labelenumi\}
563 \eqcommand{      }\{labelenumii\}
564 \eqcommand{      }\{labelenumiii\}
565 \eqcommand{      }\{labelenumiv\}
566 \eqcommand{      }\{labelitemi\}
567 \eqcommand{      }\{labelitemii\}
568 \eqcommand{      }\{labelitemiii\}
569 \eqcommand{      }\{labelitemiv\}

```



```

570 \eqcommand{      }{labelsep}
571 \eqcommand{      }{labelwidth}
572 \eqcommand{      }{language}
573 \eqcommand{      }{large}
574 \eqcommand{      }{Large}
575 \eqcommand{      }{LARGE}
576 \eqcommand{      }{lastbox}
577 \eqcommand{      }{lastkern}
578 \eqcommand{      }{lastpenalty}
579 \eqcommand{      }{lastskip}
580 \eqcommand{      }{LaTeX}
581 \eqcommand{      }{LaTeXe}
582 \eqcommand{      }{lccode}
583 \eqcommand{      }{ldots}
584 \eqcommand{      }{leaders}
585 \eqcommand{      }{leavevmode}
586 \eqcommand{ }{left}
587 \eqcommand{      }{leftmargin}
588 \eqcommand{      }{leftmargini}
589 \eqcommand{      }{leftmarginii}
590 \eqcommand{      }{leftmarginiii}
591 \eqcommand{      }{leftmarginiv}
592 \eqcommand{      }{leftmarginv}
593 \eqcommand{      }{leftmarginvi}
594 \eqcommand{      }{leftmark}
595 \eqcommand{      }{leftpageskip}
596 \eqcommand{      }{leftskip}
597 \eqcommand{      }{let}
598 \eqcommand{ }{line}
599 \eqcommand{      }{linebreak}
600 \eqcommand{      }{linepenalty}
601 \eqcommand{      }{lineskip}
602 \eqcommand{      }{lineskiplimit}
603 \eqcommand{      }{linespread}
604 \eqcommand{      }{linethickness}
605 \eqcommand{      }{linewidth}
606 \eqcommand{      }{listfigurename}
607 \eqcommand{      }{listfiles}
608 \eqcommand{      }{listoffigures}
609 \eqcommand{      }{listoftables}
610 \eqcommand{      }{listparindent}
611 \eqcommand{      }{listtablename}
612 \eqcommand{      }{LoadClass}
613 \eqcommand{      }{LoadClassWithOptions}
614 \eqcommand{      }{location}
615 \eqcommand{      }{long}
616 \eqcommand{      }{looseness}
617 \eqcommand{      }{lower}
618 \eqcommand{@ }{@makeother}
619 \eqcommand{@ }{@m}
620 \eqcommand{@ }{@M}
621 \eqcommand{@ }{@Mi}
622 \eqcommand{@ }{@Mii}
623 \eqcommand{@ }{@Miii}

```



```

624 \eqcommand{ @ }{@Miv}
625 \eqcommand{ @ }{@MM}
626 \eqcommand{ @ }{@m@ne}
627 \eqcommand{ }{mag}
628 \eqcommand{ }{magstep}
629 \eqcommand{ }{magstephalf}
630 \eqcommand{ }{mainmatter}
631 \eqcommand{ }{makeatletter}
632 \eqcommand{ }{makeatother}
633 \eqcommand{ }{makebox}
634 \eqcommand{ }{makeglossary}
635 \eqcommand{ }{makeindex}
636 \eqcommand{ }{makelabel}
637 \eqcommand{ }{makelabels}
638 \eqcommand{ }{MakeLowercase}
639 \eqcommand{ }{maketitle}
640 \eqcommand{ }{MakeUppercase}
641 \eqcommand{ }{marginpar}
642 \eqcommand{ }{marginparpush}
643 \eqcommand{ }{marginparsep}
644 \eqcommand{ }{marginparwidth}
645 \eqcommand{ }{mark}
646 \eqcommand{ }{markboth}
647 \eqcommand{ }{markright}
648 \eqcommand{ }{mathaccent}
649 \eqcommand{ }{mathchar}
650 \eqcommand{ }{mathchardef}
651 \eqcommand{ }{mathcode}
652 \eqcommand{ }{mathrm}
653 \eqcommand{ }{maxdeadcycles}
654 \eqcommand{ }{maxdepth}
655 \eqcommand{ }{maxdimen}
656 \eqcommand{ }{mbox}
657 \eqcommand{ }{mdseries}
658 \eqcommand{ }{meaning}
659 \eqcommand{ }{mediumseries}
660 \eqcommand{ }{medmuskip}
661 \eqcommand{ }{medskip}
662 \eqcommand{ }{medskipamount}
663 \eqcommand{ }{medspace}
664 \eqcommand{ }{message}
665 \eqcommand{ }{MessageBreak}
666 \eqcommand{ }{minrowclearance}
667 \eqcommand{ }{mkern}
668 \eqcommand{ }{month}
669 \eqcommand{ }{moveleft}
670 \eqcommand{ }{moveright}
671 \eqcommand{ }{mskip}
672 \eqcommand{ @ }{@m@th}
673 \eqcommand{ }{multicolumn}
674 \eqcommand{ }{multiply}
675 \eqcommand{ }{multispan}
676 \eqcommand{ }{muskip}
677 \eqcommand{ }{muskipdef}

```




```

678 \eqcommand{@ }{@namedef}
679 \eqcommand{@ }{@nameuse}
680 \eqcommand{ @}{@ne}
681 \eqcommand{ }{name}
682 \eqcommand{ }{natural}
683 \eqcommand{ }{nearrow}
684 \eqcommand{ }{nearrower}
685 \eqcommand{ }{NeedsTeXFormat}
686 \eqcommand{ }{neg}
687 \eqcommand{ }{negmedspace}
688 \eqcommand{ }{negthickspace}
689 \eqcommand{ }{negthinspace}
690 \eqcommand{ }{newboolean}
691 \eqcommand{ }{newbox}
692 \eqcommand{ }{newcommand}
693 \eqcommand{ }{newcount}
694 \eqcommand{ }{newcounter}
695 \eqcommand{ }{newdimen}
696 \eqcommand{ }{newenvironment}
697 \eqcommand{ }{newfam}
698 \eqcommand{ }{newfont}
699 \eqcommand{ }{newhelp}
700 \eqcommand{ }{newinsert}
701 \eqcommand{ }{newlabel}
702 \eqcommand{ }{newlength}
703 \eqcommand{ }{newline}
704 \eqcommand{ }{newlinechar}
705 \eqcommand{ }{newmuskip}
706 \eqcommand{ }{newpage}
707 \eqcommand{ }{newread}
708 \eqcommand{ }{newsavebox}
709 \eqcommand{ }{newskip}
710 \eqcommand{ }{newtheorem}
711 \eqcommand{ }{newtoks}
712 \eqcommand{ }{newwrite}
713 \eqcommand{ }{noalign}
714 \eqcommand{ }{nobreak}
715 \eqcommand{ }{nobreakspace}
716 \eqcommand{ }{nocite}
717 \eqcommand{ }{noexpand}
718 \eqcommand{ }{nofiles}
719 \eqcommand{ }{noindent}
720 \eqcommand{ }{nointerlineskip}
721 \eqcommand{ }{nolimits}
722 \eqcommand{ }{nolinebreak}
723 \eqcommand{ }{nonstopmode}
724 \eqcommand{ }{nonfrenchspacing}
725 \eqcommand{ }{nonumber}
726 \eqcommand{ }{nopagebreak}
727 \eqcommand{ }{normalbaselines}
728 \eqcommand{ }{normalbaselineskip}
729 \eqcommand{ }{normalcolor}
730 \eqcommand{ }{normalfont}
731 \eqcommand{ }{normallineskip}

```



```

732 \eqcommand{      }{normallineskiplimit}
733 \eqcommand{      }{normalmarginpar}
734 \eqcommand{      }{normalsize}
735 \eqcommand{      }{notag}
736 \eqcommand{ }{null}
737 \eqcommand{      }{nullfont}
738 \eqcommand{ }{number}
739 \eqcommand{      }{numberline}
740 \eqcommand{      }{numberwithin}
741 \eqcommand{      }{@evenfoot}
742 \eqcommand{      }{@evenhead}
743 \eqcommand{      }{@oddfoot}
744 \eqcommand{      }{@oddhead}
745 \eqcommand{      }{@outeqntrue}
746 \eqcommand{      }{@outeqnfalse}
747 \eqcommand{      }{obeylines}
748 \eqcommand{      }{obeyspaces}
749 \eqcommand{      }{oddsidemargin}
750 \eqcommand{      }{offinterlineskip}
751 \eqcommand{ }{omit}
752 \eqcommand{@      }{@onlypreamble}
753 \eqcommand{      }{onecolumn}
754 \eqcommand{      }{onlynotes}
755 \eqcommand{      }{onlyslides}
756 \eqcommand{      }{openin}
757 \eqcommand{      }{openout}
758 \eqcommand{      }{OptionNotUsed}
759 \eqcommand{ }{or}
760 \eqcommand{      }{outer}
761 \eqcommand{      }{output}
762 \eqcommand{      }{outputpenalty}
763 \eqcommand{      }{overfullrule}
764 \eqcommand{@      }{@preamblecmds}
765 \eqcommand{@ }{p}
766 \eqcommand{      }{PackageError}
767 \eqcommand{      }{PackageInfo}
768 \eqcommand{      }{PackageWarning}
769 \eqcommand{      }{PackageWarningNoLine}
770 \eqcommand{      }{pagebreak}
771 \eqcommand{      }{pagecolor}
772 \eqcommand{      }{pagedepth}
773 \eqcommand{      }{pagefilllstretch}
774 \eqcommand{      }{pagefillstretch}
775 \eqcommand{      }{pagefilstretch}
776 \eqcommand{      }{pagegoal}
777 \eqcommand{      }{pagename}
778 \eqcommand{      }{pagenumbering}
779 \eqcommand{      }{pageref}
780 \eqcommand{      }{pagerulewidth}
781 \eqcommand{      }{pageshrink}
782 \eqcommand{      }{pagestretch}
783 \eqcommand{      }{pagestyle}
784 \eqcommand{      }{pagetotal}
785 \eqcommand{      }{paperheight}

```



```

786 \eqcommand{ }{paperwidth}
787 \bidi@csdefcs{ }{par}% this is an exception since \par is redefined only in some circumstances
788 \eqcommand{ }{paragraph}
789 \eqcommand{ }{parallel}
790 \eqcommand{ }{parbox}
791 \eqcommand{ }{parfillskip}
792 \eqcommand{ }{parindent}
793 \eqcommand{ }{parsep}
794 \eqcommand{ }{parshape}
795 \eqcommand{ }{parskip}
796 \eqcommand{ }{part}
797 \eqcommand{ }{partname}
798 \eqcommand{ }{partopsep}
799 \eqcommand{ }{PassOptionToClass}
800 \eqcommand{ }{PassOptionToPackage}
801 \eqcommand{ }{path}
802 \eqcommand{ }{patterns}
803 \eqcommand{ }{pausing}
804 \eqcommand{ }{penalty}
805 \eqcommand{ }{phantom}
806 \eqcommand{ }{poptabs}
807 \eqcommand{ }{postdisplaypenalty}
808 \eqcommand{ }{predisplaydirection}
809 \eqcommand{ }{predisdisplaypenalty}
810 \eqcommand{ }{predisplaysize}
811 \eqcommand{ }{pretolerance}
812 \eqcommand{ }{prevdepth}
813 \eqcommand{ }{prevgraf}
814 \eqcommand{ }{printindex}
815 \eqcommand{ }{ProcessOptions}
816 \eqcommand{ }{protect}
817 \eqcommand{ }{providecommand}
818 \eqcommand{ }{ProvidesClass}
819 \eqcommand{ }{ProvidesFile}
820 \eqcommand{ }{ProvidesPackage}
821 \eqcommand{ }{pushtabs}
822 \eqcommand{ }{quad}
823 \eqcommand{ }{qqquad}
824 \eqcommand{@ }{@outputpagerestore}
825 \eqcommand{ }{radical}
826 \eqcommand{ }{raggedbottom}
827 \eqcommand{ }{raggedleft}
828 \eqcommand{ }{raggedright}
829 \eqcommand{ }{raise}
830 \eqcommand{ }{raisebox}
831 \eqcommand{ }{raisetag}
832 \eqcommand{ }{rangle}
833 \eqcommand{ }{rceil}
834 \eqcommand{ }{read}
835 \eqcommand{ }{ref}
836 \eqcommand{ }{reflectbox}
837 \eqcommand{ }{refname}
838 \eqcommand{ }{refstepcounter}
839 \eqcommand{ }{relax}

```



```

840 \eqcommand{      }\{removelastskip\}
841 \eqcommand{      }\{renewcommand\}
842 \eqcommand{      }\{renewenvironment\}
843 \eqcommand{      }\{RequirePackage\}
844 \eqcommand{      }\{RequirePackageWithOptions\}
845 \eqcommand{      }\{resizebox\}
846 \eqcommand{      }\{reversemarginpar\}
847 \eqcommand{      }\{rfloor\}
848 \eqcommand{      }\{right\}
849 \eqcommand{      }\{rightmargin\}
850 \eqcommand{      }\{rightmark\}
851 \eqcommand{      }\{rightpageskip\}
852 \eqcommand{      }\{rightskip\}
853 \eqcommand{      }\{rmdefault\}
854 \eqcommand{      }\{rmfamily\}
855 \eqcommand{      }\{Roman\}
856 \eqcommand{      }\{roman\}
857 \eqcommand{      }\{romannumeral\}
858 \eqcommand{      }\{rotatebox\}
859 \eqcommand{      }\{rowcolor\}
860 \eqcommand{      }\{rule\}
861 \eqcommand{@      }\{@secondoftwo\}
862 \eqcommand{@      }\{@spaces\}
863 \eqcommand{      }\{samepage\}
864 \eqcommand{      }\{savebox\}
865 \eqcommand{      }\{sbox\}
866 \eqcommand{      }\{scalebox\}
867 \eqcommand{      }\{scdefault\}
868 \eqcommand{      }\{scshape\}
869 \eqcommand{      }\{setkeys\}
870 \eqcommand{      }\{scriptfont\}
871 \eqcommand{      }\{scriptscriptfont\}
872 \eqcommand{      }\{scriptscriptstyle\}
873 \eqcommand{      }\{scriptsize\}
874 \eqcommand{      }\{scripstyle\}
875 \eqcommand{      }\{scrollmode\}
876 \eqcommand{      }\{section\}
877 \eqcommand{      }\{secdef\}
878 \eqcommand{      }\{see\}
879 \eqcommand{      }\{seealso\}
880 \eqcommand{      }\{seename\}
881 \eqcommand{      }\{selectfont\}
882 \eqcommand{      }\{setboolean\}
883 \eqcommand{      }\{setbox\}
884 \eqcommand{      }\{setcounter\}
885 \eqcommand{      }\{setlength\}
886 \eqcommand{      }\{setminus\}
887 \eqcommand{      }\{SetSymbolFont\}
888 \eqcommand{      }\{settodepth\}
889 \eqcommand{      }\{settoheight\}
890 \eqcommand{      }\{settowidth\}
891 \eqcommand{      }\{sfcode\}
892 \eqcommand{      }\{sfdefault\}
893 \eqcommand{      }\{sffamily\}

```



```

894 \eqcommand{ }{shadowbox}
895 \eqcommand{ }{sharp}
896 \eqcommand{ }{shipout}
897 \eqcommand{ }{shortstack}
898 \eqcommand{ }{show}
899 \eqcommand{ }{showbox}
900 \eqcommand{ }{showboxbreadth}
901 \eqcommand{ }{showboxdepth}
902 \eqcommand{ }{showlists}
903 \eqcommand{ }{showthe}
904 \eqcommand{ }{simplefontmode}
905 \eqcommand{ @}{sxt@@n}
906 \eqcommand{ }{skewchar}
907 \eqcommand{ }{skip}
908 \eqcommand{ @}{skip@}
909 \eqcommand{ }{skipdef}
910 \eqcommand{ }{sl}
911 \eqcommand{ }{sldefault}
912 \eqcommand{ }{slshape}
913 \eqcommand{ }{sloppy}
914 \eqcommand{ }{slshape}
915 \eqcommand{ }{small}
916 \eqcommand{ }{smallskip}
917 \eqcommand{ }{smallskipamount}
918 \eqcommand{ }{smash}
919 \eqcommand{ }{smile}
920 \eqcommand{ }{snlfontlocatecode}
921 \eqcommand{ }{space}
922 \eqcommand{ }{spacefactor}
923 \eqcommand{ }{spaceskip}
924 \eqcommand{ }{spadesuit}
925 \eqcommand{ }{span}
926 \eqcommand{ }{special}
927 \eqcommand{ }{splitmaxdepth}
928 \eqcommand{ }{splittopskip}
929 \eqcommand{ }{star}
930 \eqcommand{ }{stepcounter}
931 \eqcommand{ }{stretch}
932 \eqcommand{ }{string}
933 \eqcommand{ }{strut}
934 \eqcommand{ }{strutbox}
935 \eqcommand{ }{subitem}
936 \eqcommand{ }{subparagraph}
937 \eqcommand{ }{subsection}
938 \eqcommand{ }{substack}
939 \eqcommand{ }{subsubitem}
940 \eqcommand{ }{subsubsection}
941 \eqcommand{ }{subset}
942 \eqcommand{ }{subseteq}
943 \eqcommand{ }{supereject}
944 \eqcommand{ }{suppressfloats}
945 \eqcommand{@ }{@tempa}
946 \eqcommand{@ }{@tempb}
947 \eqcommand{@ }{@tempc}

```



```

948 \eqcommand{@ }{@tempd}
949 \eqcommand{@ }{@tempe}
950 \eqcommand{@ }{@tempboxa}
951 \eqcommand{@ }{@tempcnta}
952 \eqcommand{@ }{@tempcntb}
953 \eqcommand{@ }{@tempdima}
954 \eqcommand{@ }{@tempdimb}
955 \eqcommand{@ }{@tempdimc}
956 \eqcommand{@ }{@tempskipa}
957 \eqcommand{@ }{@tempskipb}
958 \eqcommand{@ }{@tempwafalse}
959 \eqcommand{@ }{@tempwattrue}
960 \eqcommand{@ }{@temptokena}
961 \eqcommand{ }{@thefnmark}
962 \eqcommand{@ }{@thirdofthree}
963 \eqcommand{ }{tabbingsep}
964 \eqcommand{ }{tabcolsep}
965 \eqcommand{ }{tableofcontents}
966 \eqcommand{ }{tablename}
967 \eqcommand{ }{tabskip}
968 \eqcommand{ }{tabularnewline}
969 \eqcommand{ }{tag}
970 \eqcommand{ }{telephone}
971 \eqcommand{ }{TeX}
972 \eqcommand{ }{text}
973 \eqcommand{ }{textbullet}
974 \eqcommand{ }{textfont}
975 \eqcommand{ }{textemdash}
976 \eqcommand{ }{textendash}
977 \eqcommand{ }{textexclamdown}
978 \eqcommand{ }{textperiodcentered}
979 \eqcommand{ }{textquestiondown}
980 \eqcommand{ }{textquotedblleft}
981 \eqcommand{ }{textquotedblright}
982 \eqcommand{ }{textquoteleft}
983 \eqcommand{ }{textquoteright}
984 \eqcommand{ }{textvisiblespace}
985 \eqcommand{ }{textbackslash}
986 \eqcommand{ }{textbar}
987 \eqcommand{ }{textgreater}
988 \eqcommand{ }{textless}
989 \eqcommand{ }{textbf}
990 \eqcommand{ }{textcircled}
991 \eqcommand{ }{textcolor}
992 \eqcommand{ }{textcompwordmark}
993 \eqcommand{ }{textfloatsep}
994 \eqcommand{ }{textfraction}
995 \eqcommand{ }{textheight}
996 \eqcommand{ }{textindent}
997 \eqcommand{ }{textit}
998 \eqcommand{ }{textmd}
999 \eqcommand{ }{textnormal}
1000 \eqcommand{ }{textregistered}
1001 \eqcommand{ }{textrm}

```



```

1002 \eqcommand{ }{textsc}
1003 \eqcommand{ }{textsf}
1004 \eqcommand{ }{textsl}
1005 \eqcommand{ }{textstyle}
1006 \eqcommand{ }{textsuperscript}
1007 \eqcommand{ }{texttrademark}
1008 \eqcommand{ }{texttt}
1009 \eqcommand{ }{textup}
1010 \eqcommand{ }{textwidth}
1011 \eqcommand{ }{thanks}
1012 \eqcommand{ }{the}
1013 \eqcommand{ }{thempfn}
1014 \eqcommand{ }{thicklines}
1015 \eqcommand{ }{thickmuskip}
1016 \eqcommand{ }{thinmuskip}
1017 \eqcommand{ }{thickspace}
1018 \eqcommand{ }{thinlines}
1019 \eqcommand{ }{thinspace}
1020 \eqcommand{ }{thisfancy page}
1021 \eqcommand{ }{thispagestyle}
1022 \eqcommand{ @}{thr@@}
1023 \eqcommand{ }{tilde}
1024 \eqcommand{ }{tiny}
1025 \eqcommand{ }{time}
1026 \eqcommand{ }{times}
1027 \eqcommand{ }{title}
1028 \eqcommand{ }{to}
1029 \eqcommand{ }{today}
1030 \eqcommand{ }{toks}
1031 \eqcommand{ }{toksdef}
1032 \eqcommand{ }{tolerance}
1033 \eqcommand{ }{top}
1034 \eqcommand{ }{topfigrule}
1035 \eqcommand{ }{topfraction}
1036 \eqcommand{ }{topmargin}
1037 \eqcommand{ }{topmark}
1038 \eqcommand{ }{toppageskip}
1039 \eqcommand{ }{topsep}
1040 \eqcommand{ }{topskip}
1041 \eqcommand{ }{totalheight}
1042 \eqcommand{ }{tracingall}
1043 \eqcommand{ }{tracingcommands}
1044 \eqcommand{ }{tracinglostchars}
1045 \eqcommand{ }{tracingmacros}
1046 \eqcommand{ }{tracingonline}
1047 \eqcommand{ }{tracingoutput}
1048 \eqcommand{ }{tracingpages}
1049 \eqcommand{ }{tracingparagraphs}
1050 \eqcommand{ }{tracingrestores}
1051 \eqcommand{ }{tracingstats}
1052 \eqcommand{ }{triangle}
1053 \eqcommand{ }{ttdefault}
1054 \eqcommand{ }{ttfamily}
1055 \eqcommand{ @}{tw@}

```



```

1056 \eqcommand{ }{twocolumn}
1057 \eqcommand{ }{typein}
1058 \eqcommand{ }{typeout}
1059 \eqcommand{ }{uccode}
1060 \eqcommand{ }{uchyph}
1061 \eqcommand{ }{underline}
1062 \eqcommand{ }{unhbox}
1063 \eqcommand{ }{unhcopy}
1064 \eqcommand{ }{unitlength}
1065 \eqcommand{ }{unkern}
1066 \eqcommand{ }{unpenalty}
1067 \eqcommand{ }{unskip}
1068 \eqcommand{ }{unvbox}
1069 \eqcommand{ }{unvcopy}
1070 \eqcommand{ }{updefault}
1071 \eqcommand{ }{upshape}
1072 \eqcommand{ }{usebox}
1073 \eqcommand{ }{usecounter}
1074 \eqcommand{ }{usefont}
1075 \eqcommand{ }{usepackage}
1076 \eqcommand{@ }{@vobeyspaces}
1077 \eqcommand{@ }{@void}
1078 \eqcommand{ }{vadjust}
1079 \eqcommand{ }{valign}
1080 \eqcommand{ }{value}
1081 \eqcommand{ }{vbadness}
1082 \eqcommand{ }{vbox}
1083 \eqcommand{ }{vcenter}
1084 \eqcommand{ }{verb}
1085 \eqcommand{ }{vfil}
1086 \eqcommand{ }{vfill}
1087 \eqcommand{ }{vfildneg}
1088 \eqcommand{ }{vfuzz}
1089 \eqcommand{ }{visible}
1090 \eqcommand{ }{vline}
1091 \eqcommand{ }{voffset}
1092 \eqcommand{@ }{@voidb@x}
1093 \eqcommand{ }{vpageref}
1094 \eqcommand{ }{vrboxsep}
1095 \eqcommand{ }{vref}
1096 \eqcommand{ }{vrule}
1097 \eqcommand{ }{vsize}
1098 \eqcommand{ }{vskip}
1099 \eqcommand{ }{vspace}
1100 \eqcommand{ }{vsplit}
1101 \eqcommand{ }{vss}
1102 \eqcommand{ }{vtop}
1103 \eqcommand{ }{wd}
1104 \eqcommand{ }{whiledo}
1105 \eqcommand{ }{widehat}
1106 \eqcommand{ }{widetilde}
1107 \eqcommand{ }{widowpenalty}
1108 \eqcommand{ }{width}
1109 \eqcommand{ }{wlog}

```




```

1110 \eqcommand{ }{write}
1111 \eqcommand{@ }{@xobeysp}
1112 \eqcommand{ @ }{@xxxii}
1113 \eqcommand{ }{xdef}
1114 \eqcommand{ }{xleaders}
1115 \eqcommand{ }{xspaceskip}
1116 \eqcommand{ }{year}
1117 \eqcommand{@ }{z@}
1118 \eqcommand{@ }{z@skip}

```

19 File color-localise-xepersian.def

```

1119 color} \-localise-xepersian.def}[2011/03/01 v0.1 localising color package]
1120 0}{rgb}{ } \0,,0}
1121 1}{rgb}{ } \1,,1}
1122 1}{rgb}{ } \0,,0}
1123 0}{rgb}{ } \1,,0}
1124 0}{rgb}{ } \0,,1}
1125 1}{cmyk}{ } \0,,0,0}
1126 0}{cmyk}{ } \1,,0,0}
1127 0}{cmyk}{ } \0,,1,0}

```

20 File xepersian-localise-commands-xepersian.def

```

1128 \ProvidesFile{xepersian-localise-commands-xepersian.def}[2012/07/25 v0.2 Persian localisation]
1129 \eqcommand{ }{autofootnoterule}
1130 \eqcommand{ }{AutoMathDigits}
1131 \eqcommand{ }{DefaultMathDigits}
1132 \eqcommand{ @ }{keyval@eq@alias@key}
1133 \eqcommand{ }{deflatinfont}
1134 \eqcommand{ }{defpersianfont}
1135 \eqcommand{ }{hboxL}
1136 \eqcommand{ }{hboxR}
1137 \eqcommand{ }{Latincite}
1138 \eqcommand{ }{latinfont}
1139 \eqcommand{ }{latintoday}
1140 \eqcommand{ }{leftfootnoterule}
1141 \eqcommand{ }{lr}
1142 \eqcommand{ }{LRE}
1143 \eqcommand{ }{LTRdblcol}
1144 \eqcommand{ }{LTRfootnote}
1145 \eqcommand{ }{LTRfootnotetext}
1146 \eqcommand{ }{LTRthanks}
1147 \eqcommand{ }{persianday}
1148 \eqcommand{ }{persianfont}
1149 \eqcommand{ }{PersianMathDigits}
1150 \eqcommand{ }{persianmonth}
1151 \eqcommand{ }{persianyear}
1152 \eqcommand{ }{plq}
1153 \eqcommand{ }{prq}
1154 \eqcommand{ }{rightfootnoterule}
1155 \eqcommand{ }{rl}
1156 \eqcommand{ }{RLE}
1157 \eqcommand{ }{RTLdblcol}

```



```

1158 \eqcommand{ }{RTLfootnote}
1159 \eqcommand{ }{RTLfootnotetext}
1160 \eqcommand{ }{RTLthanks}
1161 \eqcommand{@ }{@SepMark}
1162 \eqcommand{ }{SepMark}
1163 \eqcommand{ }{setdefaultbibitems}
1164 \eqcommand{ }{setdefaultmarginpar}
1165 \eqcommand{ }{setmathdigitfont}
1166 \eqcommand{ }{setfootnoteLR}
1167 \eqcommand{ }{setfootnoteRL}
1168 \eqcommand{ }{setlatintextfont}
1169 \eqcommand{ }{setLTR}
1170 \eqcommand{ }{setLTRbibitems}
1171 \eqcommand{ }{setLTRmarginpar}
1172 \eqcommand{ }{setRTL}
1173 \eqcommand{ }{setRTLbibitems}
1174 \eqcommand{ }{setRTLmarginpar}
1175 \eqcommand{ }{settextfont}
1176 \eqcommand{ }{textwidthfootnoterule}
1177 \eqcommand{ }{twocolumnstableofcontents}
1178 \eqcommand{ }{unsetfootnoteRL}
1179 \eqcommand{ }{unsetLTR}
1180 \eqcommand{ }{unsetRTL}
1181 \eqcommand{ }{vboxL}
1182 \eqcommand{ }{vboxR}
1183 \eqcommand{ }{XeLaTeX}
1184 \eqcommand{ }{XePersian}
1185 \eqcommand{ }{xepersianversion}
1186 \eqcommand{ }{xepersiandate}
1187 \eqcommand{ }{XeTeX}

```

21 File enumerate-xepersian.def

```

1188 \ProvidesFile{enumerate-xepersian.def}[2010/07/25 v0.1 adaptations for enumerate package]
1189 \def\@enloop@{%
1190   \ifx entemp@ \def\@tempa{\@enLabel\harfi } \else
1191   \ifx entemp@ \def\@tempa{\@enLabel\adadi } \else
1192   \ifx entemp@ \def\@tempa{\@enLabel\tartibi } \else
1193   \ifx A\@entemp \def\@tempa{\@enLabel\Alph } \else
1194   \ifx a\@entemp \def\@tempa{\@enLabel\alph } \else
1195   \ifx i\@entemp \def\@tempa{\@enLabel\roman } \else
1196   \ifx I\@entemp \def\@tempa{\@enLabel\Roman } \else
1197   \ifx l\@entemp \def\@tempa{\@enLabel\arabic} \else
1198   \ifx \@sptoken\@entemp \let\@tempa\@enSpace \else
1199   \ifx \bgroup\@entemp \let\@tempa\@enGroup \else
1200   \ifx \@enum@\@entemp \let\@tempa\@gobble \else
1201   \let\@tempa\@enOther
1202   \@enhook
1203   \fi\fi\fi\fi\fi\fi\fi\fi\fi\fi
1204 \@tempa}

```

22 File enumitem-xepersian.def

```

1205 \ProvidesFile{enumitem-xepersian.def}[2017/09/06 v0.1 adaptations for enumitem package]

```



```

1206 \AddEnumerateCounter*\tartibi\@tartibi{999999999}
1207 \AddEnumerateCounter*\adadi\@adadi{999999999}
1208 \AddEnumerateCounter\harfi\@harfi{ }
1209 \AddEnumerateCounter\Abjad\@Abjad{ }
1210 \AddEnumerateCounter\abjad\@abjad{ }
1211 \SetEnumerateShortLabel{ }\tartibi*}
1212 \SetEnumerateShortLabel{ }\adadi*}
1213 \SetEnumerateShortLabel{ }\harfi*}
1214 \SetEnumerateShortLabel{ }\Abjad*}
1215 \SetEnumerateShortLabel{ }\abjad*}

```

23 File latex-localise-environments-xepersian.def

```

1216 \ProvidesFile{latex-localise-environments-xepersian.def}[2010/07/25 v0.2 Persian localisation]
1217 \eqenvironment{ }\abstract}
1218 \eqenvironment{ }\appendix}
1219 \eqenvironment{ }\array}
1220 \eqenvironment{ }\center}
1221 \eqenvironment{ }\description}
1222 \eqenvironment{ }\displaymath}
1223 \eqenvironment{ }\document}
1224 \eqenvironment{ }\enumerate}
1225 \eqenvironment{ }\figure}
1226 \eqenvironment{ *}\figure*}
1227 \eqenvironment{ }\filecontents}
1228 \eqenvironment{ *}\filecontents*}
1229 \eqenvironment{ }\flushleft}
1230 \eqenvironment{ }\flushright}
1231 \eqenvironment{ }\itemize}
1232 \eqenvironment{ }\letter}
1233 \eqenvironment{ }\list}
1234 \eqenvironment{ }\longtable}
1235 \eqenvironment{ }\lrbox}
1236 \eqenvironment{ }\math}
1237 \eqenvironment{ }\matrix}
1238 \eqenvironment{ }\minipage}
1239 \eqenvironment{ }\multline}
1240 \eqenvironment{ }\note}
1241 \eqenvironment{ }\overlay}
1242 \eqenvironment{ }\picture}
1243 \eqenvironment{ }\quotation}
1244 \eqenvironment{ }\quote}
1245 \eqenvironment{ }\slide}
1246 \eqenvironment{ }\sloppypar}
1247 \eqenvironment{ }\split}
1248 \eqenvironment{ }\subarray}
1249 \eqenvironment{ }\tabbing}
1250 \eqenvironment{ }\table}
1251 \eqenvironment{ *}\table*}
1252 \eqenvironment{ }\tabular}
1253 \eqenvironment{ *}\tabular*}
1254 \eqenvironment{ }\thebibliography}
1255 \eqenvironment{ }\theindex}
1256 \eqenvironment{ }\titlepage}

```



```

1257 \eqenvironment{    }{trivlist}
1258 \eqenvironment{    }{verse}

```

24 File xepersian-localise-environments-xepersian.def

```

1259 \ProvidesFile{xepersian-localise-environments-xepersian.def}[2010/07/25 v0.1 Persian localise
1260 \eqenvironment{    }{latin}
1261 \eqenvironment{    }{LTR}
1262 \eqenvironment{    }{LTRitems}
1263 \eqenvironment{    }{modernpoem}
1264 \eqenvironment{    }{*}{modernpoem*}
1265 \eqenvironment{    }{persian}
1266 \eqenvironment{    }{RTL}
1267 \eqenvironment{    }{RTLitems}
1268 \eqenvironment{    }{traditionalpoem}
1269 \eqenvironment{    }{*}{traditionalpoem*}

```

25 File extarticle-xepersian.def

```

1270 \ProvidesFile{extarticle-xepersian.def}[2010/07/25 v0.1 adaptations for extarticle class]
1271 \renewcommand\thepart    {\@tartibi\c@part}
1272 \renewcommand\appendix{\par
1273   \setcounter{section}{0}%
1274   \setcounter{subsection}{0}%
1275   \gdef\thesection{\@harfi\c@section}}

```

26 File extbook-xepersian.def

```

1276 \ProvidesFile{extbook-xepersian.def}[2010/07/25 v0.1 adaptations for extbook class]
1277 \renewcommand\frontmatter{%
1278   \cleardoublepage
1279   \@mainmatterfalse
1280   \pagenumbering{harfi}}
1281 \renewcommand \thepart {\@tartibi\c@part}
1282 \renewcommand\appendix{\par
1283   \setcounter{chapter}{0}%
1284   \setcounter{section}{0}%
1285   \gdef\@chapapp{\appendixname}%
1286   \gdef\thechapter{\@harfi\c@chapter}
1287 }%end appendix

```

27 File extrafootnotefeatures-xepersian.def

```

1288 \ProvidesFile{extrafootnotefeatures-xepersian.def}[2012/01/01 v0.2 footnote macros for extra
1289 \renewcommand{\foottextfont}{\footnotesize\if@RTL@footnote\else\resetlatinfont\fi}
1290 \renewcommand{\LTRfoottextfont}{\footnotesize\resetlatinfont}
1291 \renewcommand{\RTLfoottextfont}{\footnotesize\setpersianfont}

```

28 File extreport-xepersian.def

```

1292 \ProvidesFile{extreport-xepersian.def}[2010/07/25 v0.1 adaptations for extreport class]
1293 \renewcommand\thepart    {\@tartibi\c@part}
1294 \renewcommand\appendix{\par
1295   \setcounter{chapter}{0}%

```



```

1296 \setcounter{section}{0}%
1297 \gdef\@chapapp{\appendixname}%
1298 \gdef\thechapter{\@harfi\c@chapter}}

```

29 File fancyref-xepersian.def

```

1299 \ProvidesFile{fancyref-xepersian.def}[2018/09/29 v0.1 bilingual captions for fancyref package]
1300 \renewcommand*{\Frefchapname}{\chaptername}
1301 \renewcommand*{\Frefenumname}{%
1302   \if@RTL
1303 %
1304   \else
1305     Item%
1306   \fi
1307 }
1308 \renewcommand*{\Frefeqname}{%
1309   \if@RTL
1310 %
1311   \else
1312     Equation%
1313   \fi
1314 }
1315 \renewcommand*{\Freffigname}{\figurename}
1316 \renewcommand*{\Freffnname}{%
1317   \if@RTL
1318 %
1319   \else
1320     Footnote%
1321   \fi
1322 }
1323 \renewcommand*{\Frefonname}{%
1324   \if@RTL
1325 %
1326   \else
1327     On%
1328   \fi
1329 }
1330 \renewcommand*{\Frefpgname}{\pagename}
1331 \renewcommand*{\Frefsecname}{%
1332   \if@RTL
1333 %
1334   \else
1335     Section%
1336   \fi
1337 }
1338 \renewcommand*{\Frefseename}{%
1339   \if@RTL
1340 %
1341   \else
1342     See%
1343   \fi
1344 }
1345 \renewcommand*{\Freftabname}{\tablename}
1346 \renewcommand*{\Freffigshortname}{%

```



```

1347 \if@RTL
1348 \Freffigname
1349 \else
1350 Fig.%
1351 \fi
1352 }
1353 \renewcommand*{\Frefpgshortname}{%
1354 \if@RTL
1355 \Frefpgname
1356 \else
1357 P.%
1358 \fi
1359 }
1360 \renewcommand*{\Freftabshortname}{%
1361 \if@RTL
1362 \tablename
1363 \else
1364 Tab.%
1365 \fi
1366 }
1367 \renewcommand*{\frefchapname}{%
1368 \if@RTL
1369 \Frefchapname
1370 \else
1371 \MakeLowercase{\Frefchapname}%
1372 \fi
1373 }
1374 \renewcommand*{\frefenumname}{%
1375 \if@RTL
1376 \Frefenumname
1377 \else
1378 \MakeLowercase{\Frefenumname}%
1379 \fi
1380 }
1381 \renewcommand*{\frefeqname}{%
1382 \if@RTL
1383 \Frefeqname
1384 \else
1385 \MakeLowercase{\Frefeqname}%
1386 \fi
1387 }
1388 \renewcommand*{\freffigname}{%
1389 \if@RTL
1390 \Freffigname
1391 \else
1392 \MakeLowercase{\Freffigname}%
1393 \fi
1394 }
1395 \renewcommand*{\freffnname}{%
1396 \if@RTL
1397 \Freffnname
1398 \else
1399 \MakeLowercase{\Freffnname}%
1400 \fi

```



```

1401 }
1402 \renewcommand*{\frefonname}{%
1403   \if@RTL
1404     \Frefonname
1405   \else
1406     \MakeLowercase{\Frefonname}%
1407   \fi
1408 }
1409 \renewcommand*{\frefpgname}{%
1410   \if@RTL
1411     \Frefpgname
1412   \else
1413     \MakeLowercase{\Frefpgname}%
1414   \fi
1415 }
1416 \renewcommand*{\frefsecname}{%
1417   \if@RTL
1418     \Frefsecname
1419   \else
1420     \MakeLowercase{\Frefsecname}%
1421   \fi
1422 }
1423 \renewcommand*{\frefseenname}{%
1424   \if@RTL
1425     \Frefseenname
1426   \else
1427     \MakeLowercase{\Frefseenname}%
1428   \fi
1429 }
1430 \renewcommand*{\frefstabname}{%
1431   \if@RTL
1432     \Frefstabname
1433   \else
1434     \MakeLowercase{\Frefstabname}%
1435   \fi
1436 }
1437 \renewcommand*{\freffigshortname}{%
1438   \if@RTL
1439     \Freffigshortname
1440   \else
1441     \MakeLowercase{\Freffigshortname}%
1442   \fi
1443 }
1444 \renewcommand*{\frefpgshortname}{%
1445   \if@RTL
1446     \Frefpgshortname
1447   \else
1448     \MakeLowercase{\Frefpgshortname}%
1449   \fi
1450 }
1451 \renewcommand*{\frefstabshortname}{%
1452   \if@RTL
1453     \Frefstabshortname
1454   \else

```



```

1455 \MakeLowercase{\Freftabshortname}%
1456 \fi
1457 }

```

30 File footnote-xepersian.def

```

1458 \ProvidesFile{footnote-xepersian.def}[2017/08/09 v0.6 footnote macros for xepersian package]
1459
1460 \renewcommand*{\bidi@footnotetext@font}{\footnotesize\if@RTL@footnote\else\resetlatinfont\fi}%
1461
1462 \renewcommand*{\bidi@LTRfootnotetext@font}{\footnotesize\resetlatinfont}%
1463
1464 \renewcommand*{\bidi@RTLfootnotetext@font}{\footnotesize\setpersianfont}%
1465

```

31 File framed-xepersian.def

```

1466 \ProvidesFile{framed-xepersian.def}[2012/06/05 v0.1 xepersian adaptations for framed package]
1467 \renewenvironment{titled-frame}[1]{%
1468 \def\FrameCommand{\fboxsep8pt\fboxrule2pt
1469 \TitleBarFrame{\textbf{#1}}}%
1470 \def\FirstFrameCommand{\fboxsep8pt\fboxrule2pt
1471 \TitleBarFrame[$\if@RTL\blacktriangleleft\else\blacktriangleright\fi$]{\textbf{#1}}}%
1472 \def\MidFrameCommand{\fboxsep8pt\fboxrule2pt
1473 \TitleBarFrame[$\if@RTL\blacktriangleleft\else\blacktriangleright\fi$]{\textbf{#1} (\if@
1474 \def\LastFrameCommand{\fboxsep8pt\fboxrule2pt
1475 \TitleBarFrame{\textbf{#1} (\if@RTL else\ cont\fi))}%
1476 \MakeFramed{\advance\hsize-20pt \FrameRestore}}%
1477 % note: 8 + 2 + 8 + 2 = 20. Don't use \width because the frame title
1478 % could interfere with the width measurement.
1479 {\endMakeFramed}

```

32 File glossaries-xepersian.def

```

1480 \ProvidesFile{glossaries-xepersian.def}[2014/09/04 v0.4 xepersian adaptations for glossaries]
1481 \glsaddprotectedpagefmt{@harfi}
1482 \glsaddprotectedpagefmt{@tartibi}
1483 \glsaddprotectedpagefmt{@adadi}

```

33 File hyperref-xepersian.def

```

1484 \ProvidesFile{hyperref-xepersian.def}[2015/02/02 v0.6 bilingual captions for hyperref package]
1485 \def\equationautorefname{\if@RTL else\ Equation\fi}%
1486 \def\footnoteautorefname{\if@RTL else\ footnote\fi}%
1487 \def\itemautorefname{\if@RTL else\ item\fi}%
1488 \def\figureautorefname{\if@RTL else\ Figure\fi}%
1489 \def\tableautorefname{\if@RTL else\ Table\fi}%
1490 \def\partautorefname{\if@RTL else\ Part\fi}%
1491 \def\appendixautorefname{\if@RTL else\ Appendix\fi}%
1492 \def\chapterautorefname{\if@RTL else\ chapter\fi}%
1493 \def\sectionautorefname{\if@RTL else\ section\fi}%
1494 \def\subsectionautorefname{\if@RTL else\ subsection\fi}%
1495 \def\subsubsectionautorefname{\if@RTL else\ subsubsection\fi}%
1496 \def\paragraphautorefname{\if@RTL else\ paragraph\fi}%

```




```

1497 \def\subparagraphautorefname{\if@RTL else\      subparagraph\fi}%
1498 \def\FancyVerbLineautorefname{\if@RTL else\    line\fi}%
1499 \def\theoremautorefname{\if@RTL else\    Theorem\fi}%
1500 \def\pageautorefname{\if@RTL else\    page\fi}%
1501 \AtBeginDocument{%
1502 \let\HyOrg@appendix\appendix
1503 \def\appendix{%
1504 \ltx@ifundefined{chapter}%
1505   {\gdef\theHsection{\Alph{section}}}%
1506   {\gdef\theHchapter{\Alph{chapter}}}%
1507 \xdef\Hy@chapapp{\Hy@appendixstring}%
1508 \HyOrg@appendix
1509 }
1510 }
1511 \pdfstringdefDisableCommands{%
1512 \let\lr\@firstofone
1513 \let\rl\@firstofone
1514 \def\XePersian{XePersian}
1515 }
1516 \ltx@ifundefined{@resets@pp}{%
1517 }{%
1518 \let\HyOrg@resets@pp\@resets@pp
1519 \def\@resets@pp{%
1520 \ltx@ifundefined{chapter}{%
1521 \gdef\theHsection{\Hy@AlphNoErr{section}}%
1522 }{%
1523 \gdef\theHchapter{\Hy@AlphNoErr{chapter}}%
1524 }%
1525 \xdef\Hy@chapapp{\Hy@appendixstring}%
1526 \HyOrg@resets@pp
1527 }%
1528 }

```

34 File `imsproc-xepersian.def`

```

1529 \ProvidesFile{imsproc-xepersian.def}[2017/06/09 v0.5 xepersian adaptations for imsproc class]
1530
1531 \renewcommand \thepart {\@tartibi\c@part}
1532 \def\appendix{\par\c@section\z@ \c@subsection\z@
1533 \let\sectionname\appendixname
1534 \def\thesection{\@harfi\c@section}}
1535

```

35 File `kashida-xepersian.def`

```

1536 \ProvidesFile{kashida-xepersian.def}[2020/05/16 v0.8 implementation of Kashida for xepersian]
1537 %
1538 % The new changes is minimal and only cosmetic; To resolve the
1539 % issue properly, I will be studying TeX line breaking algorithms and
1540 % experiment to see how much of it I can mimic. The idea of using
1541 % a rule or even a box is awful and it breaks a lot of things. The ideal
1542 % solution is to insert Kashida without any rules or boxes or if
1543 % the font offers the alternative forms, it can be used for Kashida.
1544 % Unfortunately, computing the stretch using the \pdfsavepos and

```



```

1545 % \pdflastxpos primitives from the PDFTeX engine is bad and
1546 % impractical for several reasons. The process is extremely
1547 % slow and requires at least two runs of TeX. On a particular line,
1548 % we need to write to the aux file at least 10 times, on a page we
1549 % have on average around 10 lines and hence, for a 100 pages
1550 % document, we have to do this 10,000 times. These statistics are
1551 % very modest. On the other hand, if we reach max count (which is
1552 % very likely), then we have to do some devious things.
1553 %
1554 \chardef\xepersian@zwj="200D % zero-width joiner
1555 \chardef\xepersian@lrm="200E % left to right mark
1556 \chardef\xepersian@kashidachar="0640 % kashida
1557
1558 \chardef\xepersian@D=10 % dual-joiner class
1559 \chardef\xepersian@L=11 % lam
1560 \chardef\xepersian@R=12 % right-joiner
1561 \chardef\xepersian@A=13 % alef
1562 \chardef\xepersian@V=4096 % vowel or other combining mark (to be ignored)
1563 \newif\if@Kashida@on
1564 \def\xepersian@kashida{%
1565   \if@Kashida@on
1566     \xepersian@zwj
1567     \xepersian@lrm
1568     \nobreak
1569     \leaders\hrule height \XeTeXglyphbounds\tw@
1570     \the\XeTeXcharglyph\xepersian@kashidachar
1571     depth \XeTeXglyphbounds\f@ur
1572     \the\XeTeXcharglyph\xepersian@kashidachar
1573     \hskip0pt plus 0.5em
1574 %   \dimexpr \fontcharwd\font\xepersian@kashidachar -
1575 %   \XeTeXglyphbounds@ne
1576 %   \the\XeTeXcharglyph\xepersian@kashidachar -
1577 %   \XeTeXglyphbounds\thr@@
1578 %   \the\XeTeXcharglyph\xepersian@kashidachar \relax
1579     \xepersian@zwj
1580   \fi
1581 }
1582
1583 \def\setclass#1#2{\def\theclass{#1}\def\charlist{#2}%
1584   \expandafter\dosetclass\charlist,\end}
1585 \def\dosetclass#1,#2\end{%
1586   \def\test{#1}\def\charlist{#2}%
1587   \ifx\test\empty\let\next\finishsetclass
1588   \else \XeTeXcharclass "\test = \theclass
1589     \let\next\dosetclass \fi
1590   \expandafter\next\charlist,,\end}
1591 \def\finishsetclass#1,,\end{}
1592
1593 \setclass \xepersian@A {0622,0623,0625,0627}
1594 \setclass \xepersian@R {0624,0629,062F,0630,0631,0632,0648,0698}
1595 \setclass \xepersian@D {0626,0628,062A,062B,062C,062D,062E}
1596 \setclass \xepersian@D {0633,0634,0635,0636,0637,0638,0639,063A}
1597 \setclass \xepersian@D {0640,0641,0642,0643,0645,0646,0647,0649,064A}
1598 \setclass \xepersian@D {067E,0686,06A9,06AF,06CC}

```



```

1599 \setclass \xepersian@L {0644}
1600 \setclass \xepersian@V {064B,064C,064D,064E,064F,0650,0651,0652}
1601
1602 \XeTeXinterchartoks \xepersian@D \xepersian@D = {\xepersian@kashida}
1603 \XeTeXinterchartoks \xepersian@L \xepersian@D = {\xepersian@kashida}
1604 \XeTeXinterchartoks \xepersian@D \xepersian@L = {\xepersian@kashida}
1605 \XeTeXinterchartoks \xepersian@L \xepersian@L = {\xepersian@kashida}
1606 \XeTeXinterchartoks \xepersian@D \xepersian@R = {\xepersian@kashida}
1607 \XeTeXinterchartoks \xepersian@D \xepersian@A = {\xepersian@kashida}
1608 \XeTeXinterchartoks \xepersian@L \xepersian@R = {\xepersian@kashida}
1609 \XeTeXinterchartoks \xepersian@L \xepersian@A = {}
1610
1611 \newcommand{\KashidaOn}{\@Kashida@ontrue}
1612 \newcommand{\KashidaOff}{\@Kashida@onfalse}
1613
1614 \KashidaOn

```

36 File listings-xepersian.def

```

1615 \ProvidesFile{listings-xepersian.def}[2014/07/17 v0.3 bilingual captions for listings package]
1616 \def\lstlistingname{\if@RTL else\ Listing\fi}
1617 \def\lstlistlistingname{\if@RTL else\ Listings\fi}

```

37 File loadingorder-xepersian.def

```

1618 \ProvidesFile{loadingorder-xepersian.def}[2018/09/29 v0.5 making sure that xepersian is the 1]
1619 \bidi@isloaded{algorithmic}
1620 \bidi@isloaded{algorithm}
1621 \bidi@isloaded{backref}
1622 \bidi@isloaded{enumerate}
1623 \bidi@isloaded{enumitem}
1624 \bidi@isloaded{fancyref}
1625 \bidi@isloaded{tocloft}
1626 \bidi@isloaded{url}
1627 \bidi@isloaded{varioref}
1628 \AtBeginDocument{
1629   \if@bidi@algorithmicloaded@ \else
1630     \bidi@isloaded[\PackageError{xepersian}{Oops! you have loaded package algorithmic after xepersian}{}]
1631   \fi%
1632   \if@bidi@algorithmloaded@ \else
1633     \bidi@isloaded[\PackageError{xepersian}{Oops! you have loaded package algorithm after xepersian}{}]
1634   \fi%
1635   \if@bidi@backrefloaded@ \else
1636     \bidi@isloaded[\PackageError{xepersian}{Oops! you have loaded package backref after xepersian}{}]
1637   \fi%
1638   \if@bidi@enumerateloaded@ \else
1639     \bidi@isloaded[\PackageError{xepersian}{Oops! you have loaded package enumerate after xepersian}{}]
1640   \fi%
1641   \if@bidi@enumitemloaded@ \else
1642     \bidi@isloaded[\PackageError{xepersian}{Oops! you have loaded package enumitem after xepersian}{}]
1643   \fi%
1644   \if@bidi@fancyrefloaded@ \else
1645     \bidi@isloaded[\PackageError{xepersian}{Oops! you have loaded package fancyref after xepersian}{}]
1646   \fi%

```



```

1647 \if@bidi@tocloftloaded@else
1648 \bidi@isloaded[\PackageError{xepersian}{Oops! you have loaded package tocloft after xepersian}{}]
1649 \fi%
1650 \if@bidi@urlloaded@else
1651 \bidi@isloaded[\PackageError{xepersian}{Oops! you have loaded package url after xepersian}{}]
1652 \fi%
1653 \if@bidi@variorefloaded@else
1654 \bidi@isloaded[\PackageError{xepersian}{Oops! you have loaded package varioref after xepersian}{}]
1655 \fi%
1656 }

```

38 File localise-xepersian.def

```

1657 \ProvidesFile{localise-xepersian.def}[2014/07/10 v0.2b Persian localisation of LaTeX2e]
1658 \newcommand{\makezwnjletter}{\catcode`\=11\relax}
1659 \makezwnjletter
1660 \newcommand*\{eqcommand}[2]{\if@bidi@csprimitive{#2}{\bidi@csletcs{#1}{#2}}{\bidi@csdefcs{#1}{#2}}}
1661 \newcommand*\{eqenvironment}[2]{\newenvironment{#1}{\csname#2\endcsname}{\csname end#2\endcsname}}
1662 \ifpackageloaded{keyval}{%
1663 \newcommand*\keyval@eq@alias@key[4][KV]{%
1664 \bidi@csletcs{#1@#2@#3}{#1@#2@#4}%
1665 \bidi@csletcs{#1@#2@#3@default}{#1@#2@#4@default}}%
1666 }{\ifpackageloaded{xkeyval}{%
1667 \newcommand*\keyval@eq@alias@key[4][KV]{%
1668 \bidi@csletcs{#1@#2@#3}{#1@#2@#4}%
1669 \bidi@csletcs{#1@#2@#3@default}{#1@#2@#4@default}}%
1670 }{}}
1671 \input{latex-localise-commands-xepersian.def}
1672 \input{xepersian-localise-commands-xepersian.def}
1673 \input{latex-localise-environments-xepersian.def}
1674 \input{xepersian-localise-environments-xepersian.def}
1675 \input{latex-localise-messages-xepersian.def}
1676 \input{latex-localise-misc-xepersian.def}
1677 \input{packages-localise-xepersian.def}
1678 \aliasfontfeature{ExternalLocation}{ }
1679 \aliasfontfeature{Path}{ }
1680 \aliasfontfeature{Renderer}{ }
1681 \aliasfontfeature{BoldFont}{ }
1682 \aliasfontfeature{Language}{ }
1683 \aliasfontfeature{Script}{ }
1684 \aliasfontfeature{UprightFont}{ }
1685 \aliasfontfeature{ItalicFont}{ }
1686 \aliasfontfeature{BoldItalicFont}{ }
1687 \aliasfontfeature{SlantedFont}{ }
1688 \aliasfontfeature{BoldSlantedFont}{ }
1689 \aliasfontfeature{SmallCapsFont}{ }
1690 \aliasfontfeature{UprightFeatures}{ }
1691 \aliasfontfeature{BoldFeatures}{ }
1692 \aliasfontfeature{ItalicFeatures}{ }
1693 \aliasfontfeature{BoldItalicFeatures}{ }
1694 \aliasfontfeature{SlantedFeatures}{ }
1695 \aliasfontfeature{BoldSlantedFeatures}{ }
1696 \aliasfontfeature{SmallCapsFeatures}{ }
1697 \aliasfontfeature{SizeFeatures}{ }

```



```

1698 \aliasfontfeature{Scale}{ }
1699 \aliasfontfeature{WordSpace}{ }
1700 \aliasfontfeature{PunctuationSpace}{ }
1701 \aliasfontfeature{FontAdjustment}{ }
1702 \aliasfontfeature{LetterSpace}{ }
1703 \aliasfontfeature{HyphenChar}{ }
1704 \aliasfontfeature{Color}{ }
1705 \aliasfontfeature{Opacity}{ }
1706 \aliasfontfeature{Mapping}{ }
1707 \aliasfontfeature{Weight}{ }
1708 \aliasfontfeature{Width}{ }
1709 \aliasfontfeature{OpticalSize}{ }
1710 \aliasfontfeature{FakeSlant}{ }
1711 \aliasfontfeature{FakeStretch}{ }
1712 \aliasfontfeature{FakeBold}{ }
1713 \aliasfontfeature{AutoFakeSlant}{ }
1714 \aliasfontfeature{AutoFakeBold}{ }
1715 \aliasfontfeature{Ligatures}{ }
1716 \aliasfontfeature{Alternate}{ }
1717 \aliasfontfeature{Variant}{ }
1718 \aliasfontfeature{Variant}{ }
1719 \aliasfontfeature{CharacterVariant}{ }
1720 \aliasfontfeature{Style}{ }
1721 \aliasfontfeature{Annotation}{ }
1722 \aliasfontfeature{RawFeature}{ }
1723 \aliasfontfeature{CharacterWidth}{ }
1724 \aliasfontfeature{Numbers}{ }
1725 \aliasfontfeature{Contextuals}{ }
1726 \aliasfontfeature{Diacritics}{ }
1727 \aliasfontfeature{Letters}{ }
1728 \aliasfontfeature{Kerning}{ }
1729 \aliasfontfeature{VerticalPosition}{ }
1730 \aliasfontfeature{Fractions}{ }
1731 \aliasfontfeatureoption{Language}{Default}{ }
1732 \aliasfontfeatureoption{Language}{Persian}{ }
1733 \aliasfontfeatureoption{Script}{Persian}{ }
1734 \aliasfontfeatureoption{Script}{Latin}{ }
1735 \aliasfontfeatureoption{Style}{MathScript}{ }
1736 \aliasfontfeatureoption{Style}{MathScriptScript}{ }

```

39 File memoir-xepersian.def

```

1737 \ProvidesFile{memoir-xepersian.def}[2010/07/25 v0.1 adaptations for memoir class]
1738 \renewcommand{\@memfront}{%
1739   \@smemfront\pagenumbering{harfi}}
1740 \renewcommand{\setthesection}{\thechapter\@SepMark\harfi{section}}
1741 \renewcommand*{\thebook}{\@tartibi\c@book}
1742 \renewcommand*{\thepart}{\@tartibi\c@part}
1743 \renewcommand{\appendix}{\par
1744   \setcounter{chapter}{0}%
1745   \setcounter{section}{0}%
1746   \gdef\@chapapp{\appendixname}%
1747   \gdef\thechapter{\@harfi\c@chapter}%
1748   \anappendixtrue}

```



40 File latex-localise-messages-xepersian.def

```
1749 latex} \-localise-messages-xepersian.def}[2011/03/01 v0.1 localising LaTeX2e messages]
```

41 File minitoc-xepersian.def

```
1750 \ProvidesFile{minitoc-xepersian.def}[2010/07/25 v0.1 bilingual captions for minitoc package]
1751 \def\ptctitle{\if@RTL else\ Table of Contents\fi}%
1752 \def\plftitle{\if@RTL else\ List of Figures\fi}%
1753 \def\plttitle{\if@RTL else\ List of Tables\fi}%
1754 \def\mtctitle{\if@RTL else\ Contents\fi}%
1755 \def\mlftitle{\if@RTL else\ Figures\fi}%
1756 \def\mlttitle{\if@RTL else\ Tables\fi}%
1757 \def\stctitle{\if@RTL else\ Contents\fi}%
1758 \def\slftitle{\if@RTL else\ Figures\fi}%
1759 \def\slttitle{\if@RTL else\ Tables\fi}%

```

42 File latex-localise-misc-xepersian.def

```
1760 \ProvidesFile{latex-localise-misc-xepersian.def}[2012/01/01 v0.2 miscellaneous Persian localisation]
1761 %}1# \ \
1762 \ @ \ @ \ \
1763 \1# \
1764 \1# @\
1765 \1# @\
1766 {\ @ \ \
1767 %}2#1# @\ \
1768 %1# \ @\ \ \ \ \
1769 \2# \ @\ \
1770 {\2#1# \}
1771 undefined\ \ \
1772
1773 %{\ \ \ \ \1#} \ \} \1# \ \
1774 \{ \ \ \ \
1775 \ \ \
1776
1777
1778 \ \ \ \%} \#1
1779 \1#} \ \ \% \
1780 \ \ \ \
1781 }%
1782 \
1783 \ \ \ \
1784 }
1785 \ = \ \
1786
1787
1788 \@ifdefinitionfileloaded{latex-xetex-bidi}{%
1789 \def\@xfloat #1[#2]{%
1790 \nodocument
1791 \def \@captype {#1}%
1792 \def \@fps {#2}%
1793 \@onelevel@sanitize \@fps
1794 \def \reserved@b {!}%

```



```

1795 \ifx \reserved@b \@fps
1796 \@fpsadddefault
1797 \else
1798 \ifx \@fps \@empty
1799 \@fpsadddefault
1800 \fi
1801 \fi
1802 \ifhmode
1803 \@bsphack
1804 \@floatpenalty -\@Mii
1805 \else
1806 \@floatpenalty-\@Miii
1807 \fi
1808 \ifinner
1809 \@parmoderr\@floatpenalty\z@
1810 \else
1811 \@next\@currbox\@freelist
1812 {%
1813 \@tempcnta \sixt@@n
1814 \expandafter \@tfor \expandafter \reserved@a
1815 \expandafter :\expandafter =\@fps
1816 \do
1817 {%
1818 \if \reserved@a h%
1819 \ifodd \@tempcnta
1820 \else
1821 \advance \@tempcnta \@ne
1822 \fi
1823 \fi
1824 \if \reserved@a %
1825 \ifodd \@tempcnta
1826 \else
1827 \advance \@tempcnta \@ne
1828 \fi
1829 \fi
1830 \if \reserved@a t%
1831 \@setfpsbit \tw@
1832 \fi
1833 \if \reserved@a %
1834 \@setfpsbit \tw@
1835 \fi
1836 \if \reserved@a b%
1837 \@setfpsbit 4%
1838 \fi
1839 \if \reserved@a %
1840 \@setfpsbit 4%
1841 \fi
1842 \if \reserved@a p%
1843 \@setfpsbit 8%
1844 \fi
1845 \if \reserved@a %
1846 \@setfpsbit 8%
1847 \fi
1848 \if \reserved@a !%

```



```

1849         \ifnum \@tempcnta>15
1850             \advance\@tempcnta -\sixt@@n\relax
1851         \fi
1852     \fi
1853 }%
1854     \@tempcntb \csname ftype@\@capttype \endcsname
1855     \multiply \@tempcntb \@xxxii
1856     \advance \@tempcnta \@tempcntb
1857     \global \count\@currbox \@tempcnta
1858 }%
1859 \@fltovf
1860 \fi
1861 \global \setbox\@currbox
1862     \color@vbox
1863     \normalcolor
1864     \vbox \bgroup
1865         \hsize\columnwidth
1866         \@parboxrestore
1867     \@floatboxreset
1868 }
1869 \let\bm@ \bm@c
1870 \let\bm@ \bm@l
1871 \let\bm@ \bm@r
1872 \let\bm@ \bm@b
1873 \let\bm@ \bm@t
1874 \let\bm@ \bm@s
1875 \long\def\@iiiparbox#1#2[#3]#4#5{%
1876     \leavevmode
1877     \@pboxswfalse
1878     \if@hboxRconstruct\@bidi@list@minipage@parbox@not@nobtrue\fi
1879     \if@RTL\if#1t\@bidi@list@minipage@parboxtrue\else\if#1b\@bidi@list@minipage@parboxtrue\else
1880     \setlength\@tempdima{#4}%
1881     \@begin@tempboxa\vbox{\hsize\@tempdima\@parboxrestore#5\@@par}%
1882     \ifx\relax#2\else
1883         \setlength\@tempdimb{#2}%
1884         \edef\@parboxto{to\the\@tempdimb}%
1885     \fi
1886     \if#1b\vbox
1887     \else\if#1\vbox
1888     \else\if #1t\top
1889     \else\if vtop\ #1
1890     \else\if mmode\center
1891     \else\@pboxswtrue $\center
1892     \fi\fi\fi\fi\fi
1893     \@parboxto{\let\hss\vss\let\unhbox\unvbox
1894         \csname bm@#3\endcsname}%
1895     \if@pboxsw \m@th$\fi
1896     \@end@tempboxa}
1897 \def\@iiiminipage#1#2[#3]#4{%
1898     \leavevmode
1899     \@pboxswfalse
1900     \if@hboxRconstruct\@bidi@list@minipage@parbox@not@nobtrue\fi
1901     \if@RTL\if#1t\@bidi@list@minipage@parboxtrue\else\if#1b\@bidi@list@minipage@parboxtrue\el
1902     \setlength\@tempdima{#4}%

```




```

1903 \def\@mpargs{#{1}#{2}[#{3}]{#{4}}}%
1904 \setbox\@tempboxa\vbox\bgroup
1905 \color@begingroup
1906 \hsize\@tempdima
1907 \textwidth\hsize \columnwidth\hsize
1908 \@parboxrestore
1909 \def\@mpfn{mpfootnote}\def\thempfn{\thempfootnote}\c@mpfootnote\z@
1910 \let\@footnotetext\@mpfootnotetext
1911 \let\@LTRfootnotetext\@mpLTRfootnotetext
1912 \let\@RTLfootnotetext\@mpRTLfootnotetext
1913 \let\@listdepth\@mplistdepth \@mplistdepth\z@
1914 \@minipagerestore
1915 \setminipage}
1916 \def\@testpach#1{\@chclass \ifnum \@lastchclass=\tw@ 4 \else
1917 \ifnum \@lastchclass=3 5 \else
1918 \z@ \if #1c\@chnum \z@ \else
1919 \if chnum@ \#1 \z@ \else
1920 \if \if@RTLtab#1r\else#1l\fi\@chnum \@ne \else
1921 \if \if@RTLtab#1 \else#1\fi\@chnum \@ne \else
1922 \if \if@RTLtab#1l\else#1r\fi\@chnum \tw@ \else
1923 \if \if@RTLtab#1 \else#1\fi\@chnum \tw@ \else
1924 \@chclass \if #1\@ne \else
1925 \if #1@\tw@ \else
1926 \if #1p3 \else
1927 \if 3#1 \else \z@ \@preamerr 0\fi
1928 \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi
1929 \fi}%
1930 }{}
1931 \ifdefinitionfileloaded{array-xetex-bidi}{%
1932 \def\@testpach{\@chclass
1933 \ifnum \@lastchclass=6 \@ne \@chnum \@ne \else
1934 \ifnum \@lastchclass=7 5 \else
1935 \ifnum \@lastchclass=8 \tw@ \else
1936 \ifnum \@lastchclass=9 \thr@@
1937 \else \z@
1938 \ifnum \@lastchclass = 10 \else
1939 \edef\@nextchar{\expandafter\string\@nextchar}%
1940 \@chnum
1941 \if \@nextchar c\z@ \else
1942 \if \@nextchar @z\ \else
1943 \if \@nextchar \if@RTLtab r\else l\fi\@ne \else
1944 \if \@nextchar \if@RTLtab else\ fi\@ne\ \else
1945 \if \@nextchar \if@RTLtab l\else r\fi\@tw@ \else
1946 \if \@nextchar \if@RTLtab else\ @fi\@tw\ \else
1947 \z@ \@chclass
1948 \if \@nextchar |\@ne \else
1949 \if \@nextchar !6 \else
1950 \if \@nextchar @7 \else
1951 \if \@nextchar <8 \else
1952 \if \@nextchar >9 \else
1953 10
1954 \@chnum
1955 \if \@nextchar m\thr@@\else
1956 \if \@nextchar thr@@\else\

```



```

1957 \if \@nextchar p4 \else
1958 \if \@nextchar 4 \else
1959 \if \@nextchar b5 \else
1960 \if \@nextchar 5 \else
1961 \z@ \@chclass \z@ \@preamerr \z@ \fi \fi \fi \fi \fi \fi \fi
1962 \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi}%
1963 }{}
1964 \ifdefinitionfileloaded{arydshln-xetex-bidi}{
1965 \ifadl@usingarypkg
1966 \def \@testpach{\@chclass
1967 \ifnum \@lastchclass=6 \@ne \@chnum \@ne \else
1968 \ifnum \@lastchclass=7 5 \else
1969 \ifnum \@lastchclass=8 \tw@ \else
1970 \ifnum \@lastchclass=9 \thr@@
1971 \else \z@
1972 \ifnum \@lastchclass = 10 \else
1973 \edef \@nextchar{\expandafter\string\@nextchar}%
1974 \@chnum
1975 \if \@nextchar c\z@ \else
1976 \if \@nextchar @\z@ \else
1977 \if \@nextchar \if@RTLtab r\else l\fi\@ne \else
1978 \if \@nextchar \if@RTLtab else\ fi\@ne\ \else
1979 \if \@nextchar \if@RTLtab l\else r\fi\@tw@ \else
1980 \if \@nextchar \if@RTLtab else\ @fi\@tw\ \else
1981 \z@ \@chclass
1982 \if \@nextchar |\@ne \let \@arrayrule\adl@arrayrule \else
1983 \if \@nextchar : \@ne \let \@arrayrule\adl@arraydashrule \else
1984 \if \@nextchar ; \@ne \let \@arrayrule\adl@argarraydashrule \else
1985 \if \@nextchar !6 \else
1986 \if \@nextchar @7 \else
1987 \if \@nextchar <8 \else
1988 \if \@nextchar >9 \else
1989 10
1990 \@chnum
1991 \if \@nextchar m\thr@@\else
1992 \if \@nextchar thr@@\else\
1993 \if \@nextchar p4 \else
1994 \if \@nextchar 4 \else
1995 \if \@nextchar b5 \else
1996 \if \@nextchar 5 \else
1997 \z@ \@chclass \z@ \@preamerr \z@ \fi \fi \fi \fi \fi \fi \fi \fi \fi
1998 \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi}
1999
2000 \def \@classz{\@classx
2001 \@tempcnta \count@
2002 \prepnext@tok
2003 \@addtopreamble{\ifcase \@chnum
2004 \hfil
2005 \adl@putlrc{\d@llarbegin \insert@column \d@llarend}\hfil \or
2006 \hskip1sp\adl@putlrc{\d@llarbegin \insert@column \d@llarend}\hfil \or
2007 \hfil\hskip1sp\adl@putlrc{\d@llarbegin \insert@column \d@llarend}\or
2008 \setbox\adl@box\hbox \adl@startmbox{\@nextchar}\insert@column
2009 \adl@endmbox\or
2010 \setbox\adl@box\vtop \@startpbox{\@nextchar}\insert@column \@endpbox \or

```



```

2011 \setbox\adl@box\vbox \@startpbox{\@nextchar}\insert@column \@endpbox
2012 \fi}\prepnext@tok}
2013 \def\adl@class@start{4}
2014 \def\adl@class@iiiorvii{7}
2015
2016 \else
2017 \def\@testpach#1{\@chclass \ifnum \@lastchclass=\tw@ 4\relax \else
2018 \ifnum \@lastchclass=\thr@@ 5\relax \else
2019 \z@ \if #1c\@chnum \z@ \else
2020 \if @chnum\z@\ #1 \else
2021 \if \if@RTLtab#1r\else#1l\fi\@chnum \@ne \else
2022 \if \if@RTLtab#1 \else#1 \fi\@chnum \@ne \else
2023 \if \if@RTLtab#1l\else#1r\fi\@chnum \tw@ \else
2024 \if \if@RTLtab#1 \else#1 \fi\@chnum \tw@ \else
2025 \@chclass
2026 \if #1|\@ne \let\@arrayrule\adl@arrayrule \else
2027 \if #1:\@ne \let\@arrayrule\adl@arraydashrule \else
2028 \if #1;\@ne \let\@arrayrule\adl@argarraydashrule \else
2029 \if #1@\tw@ \else
2030 \if #1p\thr@@ \else
2031 \if @@thr\ #1 \else\z@ \@preamerr 0\fi
2032 \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi}
2033
2034 \def\@arrayclassz{\ifcase \@lastchclass \@acolampacol \or \@ampacol \or
2035 \or \or \@addamp \or
2036 \@acolampacol \or \@firststampfalse \@acol \fi
2037 \edef\@preamble{\@preamble
2038 \ifcase \@chnum
2039 \hfil\adl@putlrc{\$relax\@sharp$}\hfil
2040 \or \adl@putlrc{\$relax\@sharp$}\hfil
2041 \or \hfil\adl@putlrc{\$relax\@sharp$}\fi}}
2042 \def\@tabclassz{\ifcase \@lastchclass \@acolampacol \or \@ampacol \or
2043 \or \or \@addamp \or
2044 \@acolampacol \or \@firststampfalse \@acol \fi
2045 \edef\@preamble{\@preamble
2046 \ifcase \@chnum
2047 \hfil\adl@putlrc{\@sharp\unskip}\hfil
2048 \or \adl@putlrc{\@sharp\unskip}\hfil
2049 \or \hfil\hskip\z@ \adl@putlrc{\@sharp\unskip}\fi}}
2050 \def\adl@class@start{6}
2051 \def\adl@class@iiiorvii{3}
2052 \fi
2053 }{}
2054 \ifdefinitionfileloaded{tabulary-xetex-bidi}{%
2055 \def\@testpach{\@chclass
2056 \ifnum \@lastchclass=6 \@ne \@chnum \@ne \else
2057 \ifnum \@lastchclass=7 5 \else
2058 \ifnum \@lastchclass=8 \tw@ \else
2059 \ifnum \@lastchclass=9 \thr@@
2060 \else \z@
2061 \ifnum \@lastchclass = 10 \else
2062 \edef\@nextchar{\expandafter\string\@nextchar}%
2063 \@chnum
2064 \if \@nextchar c\z@ \else

```



[illegible]

```

2119 \begingroup \catcode `|=0 \catcode `[= 1
2120 \catcode`=2 \catcode ``={12 \catcode ``}=12
2121 \catcode``=12 \gdef|@x@xepersian@localize@verbatim#1\[[ ] |1#]{ }
2122 \gdef|@sx@xepersian@localize@verbatim#1\[[* ] |1#]{* }
2123 \endgroup
2124 \def\ { \@verbatim \frenchspacing\@vobeyspaces \@x@xepersian@localize@verbatim}
2125 \def\end { \if@newlist \leavevmode\fi\endtrivlist}
2126 \ExplSyntaxOn
2127 \AtBeginDocument{\@namedef{ }*}{\@verbatim \fontspec_print_visible_spaces: \@sx@xepersia
2128 \ExplSyntaxOff
2129 \expandafter\let\csname end * \endcsname =\end

```

43 File natbib-xepersian.def

```

2130 \ProvidesFile{natbib-xepersian.def}[2011/08/01 v0.1 adaptations for natbib package]
2131 \renewcommand\NAT@set@cites{%
2132   \ifNAT@numbers
2133     \ifNAT@super \let\@cite\NAT@citesuper
2134     \def\NAT@mbox##1{\unskip\nobreak\textsuperscript{##1}}%
2135     \let\citeyearpar=\citeyear
2136     \let\NAT@space\relax
2137     \def\NAT@super@kern{\kern\p}%
2138   \else
2139     \let\NAT@mbox=\mbox
2140     \let\@cite\NAT@citenum
2141     \let\NAT@space\NAT@spacechar
2142     \let\NAT@super@kern\relax
2143   \fi
2144   \let\@citex\NAT@citexnum
2145   \let\@Latincitex\NAT@Latin@citexnum
2146   \let\@biblabel\NAT@biblabelnum
2147   \let\@bibsetup\NAT@bibsetnum
2148   \renewcommand\NAT@idxtxt{\NAT@name\NAT@spacechar\NAT@open\NAT@num\NAT@close}%
2149   \def\natexlab##1{%
2150     \def\NAT@penalty{\penalty\@m}%
2151   \else
2152     \let\@cite\NAT@cite
2153     \let\@citex\NAT@citex
2154     \let\@Latincitex\NAT@Latin@citex
2155     \let\@biblabel\NAT@biblabel
2156     \let\@bibsetup\NAT@bibsetup
2157     \let\NAT@space\NAT@spacechar
2158     \let\NAT@penalty\@empty
2159     \renewcommand\NAT@idxtxt{\NAT@name\NAT@spacechar\NAT@open\NAT@date\NAT@close}%
2160     \def\natexlab##1{##1}%
2161   \fi}
2162 \newcommand\NAT@Latin@citex{}
2163 \def\NAT@Latin@citex%
2164   [#1] [#2] #3{%
2165   \NAT@reset@parser
2166   \NAT@sort@cites{#3}%
2167   \NAT@reset@citea
2168   \@cite{\lr{\let\NAT@nm\@empty\let\NAT@year\@empty
2169     \@for\@citeb:=\NAT@cite@list\do

```



```

2170 {\@safe@activestrue
2171 \edef\@citeb{\expandafter\@firstofone\@citeb\@empty}%
2172 \@safe@activesfalse
2173 \ifundefined{b@\@citeb\@extra@b@citeb}{\@citea%
2174   {\reset@font\bfseries ?}\NAT@citeundefined
2175     \PackageWarning{natbib}%
2176     {Citation ``\@citeb' on page \thepage \space undefined}\def\NAT@date{}}%
2177 {\let\NAT@last@nm=\NAT@nm\let\NAT@last@yr=\NAT@year
2178   \NAT@parse{\@citeb}%
2179   \ifNAT@longnames\@ifundefined{bv@\@citeb\@extra@b@citeb}{%
2180     \let\NAT@name=\NAT@all@names
2181     \global\@namedef{bv@\@citeb\@extra@b@citeb}{}}{}%
2182   \fi
2183   \ifNAT@full\let\NAT@nm\NAT@all@names\else
2184     \let\NAT@nm\NAT@name\fi
2185   \ifNAT@swa\ifcase\NAT@ctype
2186     \if\relax\NAT@date\relax
2187       \@citea\NAT@hyper@{\NAT@nmfmt{\NAT@nm}\NAT@date}%
2188     \else
2189       \ifx\NAT@last@nm\NAT@nm\NAT@yrsep
2190         \ifx\NAT@last@yr\NAT@year
2191           \def\NAT@temp{?}%
2192           \ifx\NAT@temp\NAT@exlab\PackageWarningNoLine{natbib}%
2193             {Multiple citation on page \thepage: same authors and
2194              year\MessageBreak without distinguishing extra
2195              letter,\MessageBreak appears as question mark}\fi
2196           \NAT@hyper@{\NAT@exlab}%
2197         \else\unskip\NAT@spacechar
2198           \NAT@hyper@{\NAT@date}%
2199         \fi
2200       \else
2201         \@citea\NAT@hyper@{%
2202           \NAT@nmfmt{\NAT@nm}%
2203           \hyper@natlinkbreak{%
2204             \NAT@aysep\NAT@spacechar}{\@citeb\@extra@b@citeb
2205             }%
2206           \NAT@date
2207         }%
2208       \fi
2209     \fi
2210     \or\@citea\NAT@hyper@{\NAT@nmfmt{\NAT@nm}}%
2211     \or\@citea\NAT@hyper@{\NAT@date}%
2212     \or\@citea\NAT@hyper@{\NAT@alias}%
2213   \fi \NAT@def@citea
2214 \else
2215   \ifcase\NAT@ctype
2216     \if\relax\NAT@date\relax
2217       \@citea\NAT@hyper@{\NAT@nmfmt{\NAT@nm}}%
2218     \else
2219       \ifx\NAT@last@nm\NAT@nm\NAT@yrsep
2220         \ifx\NAT@last@yr\NAT@year
2221           \def\NAT@temp{?}%
2222           \ifx\NAT@temp\NAT@exlab\PackageWarningNoLine{natbib}%
2223             {Multiple citation on page \thepage: same authors and

```



```

2224         year\MessageBreak without distinguishing extra
2225         letter,\MessageBreak appears as question mark}\fi
2226         \NAT@hyper@{\NAT@exlab}%
2227     \else
2228         \unskip\NAT@spacechar
2229         \NAT@hyper@{\NAT@date}%
2230     \fi
2231 \else
2232     \@citea\NAT@hyper@{%
2233         \NAT@nmfmt{\NAT@nm}%
2234         \hyper@natlinkbreak{\NAT@spacechar\NAT@@open@if*#1*\else#1\NAT@spacechar\fi}%
2235         {\@citeb\@extra@b@citeb}%
2236         \NAT@date
2237     }%
2238 \fi
2239 \fi
2240 \or\@citea\NAT@hyper@{\NAT@nmfmt{\NAT@nm}}%
2241 \or\@citea\NAT@hyper@{\NAT@date}%
2242 \or\@citea\NAT@hyper@{\NAT@alias}%
2243 \fi
2244 \if\relax\NAT@date\relax
2245     \NAT@def@citea
2246 \else
2247     \NAT@def@citea@close
2248 \fi
2249 \fi
2250 }}\ifNAT@swa\else\if*#2*\else\NAT@cmt#2\fi
2251 \if\relax\NAT@date\relax\else\NAT@@close\fi\fi}}{#1}{#2}}
2252 \newcommand\NAT@Latin@citexnum{}
2253 \def\NAT@Latin@citexnum[#1][#2]#3{%
2254     \NAT@reset@parser
2255     \NAT@sort@cites{#3}%
2256     \NAT@reset@citea
2257     \@cite{\lr{\def\NAT@num{-1}\let\NAT@last@yr\relax\let\NAT@nm\@empty
2258         \@for\@citeb:=\NAT@cite@list\do
2259         {\@safe@activestru
2260             \edef\@citeb{\expandafter\@firstofone\@citeb\@empty}%
2261             \@safe@activesfalse
2262             \ifundefined{b@\@citeb\@extra@b@citeb}{%
2263                 {\reset@font\bfseries?}
2264                 \NAT@citeundefined\PackageWarning{natbib}%
2265                 {Citation ``\@citeb' on page \thepage \space undefined}}%
2266             {\let\NAT@last@num\NAT@num\let\NAT@last@nm\NAT@nm
2267                 \NAT@parse{\@citeb}%
2268                 \ifNAT@longnames\ifundefined{bv@\@citeb\@extra@b@citeb}{%
2269                     \let\NAT@name=\NAT@all@names
2270                     \global\@namedef{bv@\@citeb\@extra@b@citeb}{}}{}}%
2271                 \fi
2272                 \ifNAT@full\let\NAT@nm\NAT@all@names\else
2273                     \let\NAT@nm\NAT@name\fi
2274                 \ifNAT@swa
2275                     \@ifnum{\NAT@ctype>\@ne}{%
2276                         \@citea
2277                         \NAT@hyper@{\@ifnum{\NAT@ctype=\tw@}{\NAT@test{\NAT@ctype}}{\NAT@alias}}%

```



```

2278 }{%
2279 \@ifnum{\NAT@cmprs>\z@}{%
2280 \NAT@ifcat@num\NAT@num
2281 {\let\NAT@nm=\NAT@num}%
2282 {\def\NAT@nm{-2}}%
2283 \NAT@ifcat@num\NAT@last@num
2284 {\@tempcnta=\NAT@last@num\relax}%
2285 {\@tempcnta\m@ne}%
2286 \@ifnum{\NAT@nm=\@tempcnta}{%
2287 \@ifnum{\NAT@merge>\@ne}{\NAT@last@yr@mbx}%
2288 }{%
2289 \advance\@tempcnta by\@ne
2290 \@ifnum{\NAT@nm=\@tempcnta}{%
2291 \ifx\NAT@last@yr\relax
2292 \def\NAT@last@yr{\@citea}%
2293 \else
2294 \def\NAT@last@yr{--\NAT@penalty}%
2295 \fi
2296 }{%
2297 \NAT@last@yr@mbx
2298 }%
2299 }%
2300 }{%
2301 \@tempswatrue
2302 \@ifnum{\NAT@merge>\@ne}{\@ifnum{\NAT@last@num=\NAT@num\relax}{\@tempswafalse}{}}{%
2303 \if@tempswa\NAT@citea@mbx\fi
2304 }%
2305 }%
2306 \NAT@def@citea
2307 \else
2308 \ifcase\NAT@ctype
2309 \ifx\NAT@last@nm\NAT@nm \NAT@yrsep\NAT@penalty\NAT@space\else
2310 \citea \NAT@test{\@ne}\NAT@spacechar\NAT@mbx{\NAT@super@kern\NAT@@open}%
2311 \fi
2312 \if*#1*\else#1\NAT@spacechar\fi
2313 \NAT@mbx{\NAT@hyper@{\citenumfont{\NAT@num}}}%
2314 \NAT@def@citea@box
2315 \or
2316 \NAT@hyper@citea@space{\NAT@test{\NAT@ctype}}%
2317 \or
2318 \NAT@hyper@citea@space{\NAT@test{\NAT@ctype}}%
2319 \or
2320 \NAT@hyper@citea@space\NAT@alias
2321 \fi
2322 \fi
2323 }%
2324 }%
2325 \@ifnum{\NAT@cmprs>\z@}{\NAT@last@yr}{}%
2326 \ifNAT@swa\else
2327 \@ifnum{\NAT@ctype=\z@}{%
2328 \if*#2*\else\NAT@cmt#2\fi
2329 }{%
2330 \NAT@mbx{\NAT@@close}%
2331 \fi

```




```

2332 }}{#1}{#2}%
2333 }%
2334 \AtBeginDocument{\NAT@set@cites}
2335 \DeclareRobustCommand\Latincite
2336   {\begingroup\let\NAT@ctype\z@\NAT@partrue\NAT@swatrue
2337     \@ifstar{\NAT@fulltrue\NAT@Latin@cites}{\NAT@fullfalse\NAT@Latin@cites}}
2338 \newcommand\NAT@Latin@cites{\@ifnextchar [{\NAT@@Latin@@citetp}{%
2339   \ifNAT@numbers\else
2340   \NAT@swafalse
2341   \fi
2342   \NAT@@Latin@@citetp[]}}
2343 \newcommand\NAT@@Latin@@citetp{}
2344 \def\NAT@@Latin@@citetp[#1]{\@ifnextchar[{\@Latincitex[#1]}{\@Latincitex[] [#1]}}

```

44 File packages-localise-xepersian.def

```

2345 packages} \-localise-xepersian.def}[2013/04/24 v0.2 localising LaTeX2e Packages]
2346 color} \}{color} @\-localise-xepersian.def}}{}
2347 \@ifpackageloaded{multicol}{%
2348 \newenvironment{ }{\begin{multicols}}{\end{multicols}}}%
2349 \newenvironment{ *}{\begin{multicols*}}{\end{multicols*}}}%
2350 }{}
2351 \@ifpackageloaded{verbatim}{%
2352 \begingroup
2353 \vrb@catcodes
2354 \lccode\!=\ \lccode\=[\ \lccode\]=\
2355 \catcode\-=\active \lccode\-=\^^M
2356 \lccode\C=\C
2357 \lowercase{\endgroup
2358 \def\xepersian@localize@verbatim@start#1{%
2359 \verbatim@startline
2360 \if\noexpand#1\noexpand~%
2361 \let\next\xepersian@localize@verbatim@
2362 \else \def\next{\xepersian@localize@verbatim@#1}\fi
2363 \next}%
2364 \def\xepersian@localize@verbatim@#1~{\xepersian@localize@verbatim@@#1! \@nil}%
2365 \def\xepersian@localize@verbatim@@#1! {%
2366 \verbatim@addtoline{#1}%
2367 \futurelet\next\xepersian@localize@verbatim@@@}%
2368 \def\xepersian@localize@verbatim@@@#1\@nil{%
2369 \ifx\next\@nil
2370 \verbatim@processline
2371 \verbatim@startline
2372 \let\next\xepersian@localize@verbatim@
2373 \else
2374 \def\@tempa##1! \@nil{##1}%
2375 \@temptokena{! }%
2376 \def\next{\expandafter\xepersian@localize@verbatim@test\@tempa#1\@nil~}%
2377 \fi \next}%
2378 \def\xepersian@localize@verbatim@test#1{%
2379 \let\next\xepersian@localize@verbatim@test
2380 \if\noexpand#1\noexpand~%
2381 \expandafter\verbatim@addtoline
2382 \expandafter{\the\@temptokena}%

```



```

2383         \verbatim@processline
2384         \verbatim@startline
2385         \let\next\xepersian@localize@verbatim@
2386     \else \if\noexpand#1
2387         \@temptokena\expandafter{\the\@temptokena#1}%
2388     \else \if\noexpand#1\noexpand[%
2389         \let\@tempc\@empty
2390         \let\next\xepersian@localize@verbatim@testend
2391     \else
2392         \expandafter\verbatim@addtoline
2393         \expandafter{\the\@temptokena}%
2394         \def\next{\xepersian@localize@verbatim@#1}%
2395     \fi\fi\fi
2396     \next}%
2397 \def\xepersian@localize@verbatim@testend#1{%
2398     \if\noexpand#1\noexpand~%
2399     \expandafter\verbatim@addtoline
2400     \expandafter{\the\@temptokena[]}%
2401     \expandafter\verbatim@addtoline
2402     \expandafter{\@tempc}%
2403     \verbatim@processline
2404     \verbatim@startline
2405     \let\next\xepersian@localize@verbatim@
2406 \else\if\noexpand#1\noexpand]%
2407     \let\next\xepersian@localize@verbatim@@testend
2408 \else\if\noexpand#1\noexpand!%
2409     \expandafter\verbatim@addtoline
2410     \expandafter{\the\@temptokena[]}%
2411     \expandafter\verbatim@addtoline
2412     \expandafter{\@tempc}%
2413     \def\next{\xepersian@localize@verbatim@!}%
2414 \else \expandafter\def\expandafter\@tempc\expandafter
2415     {\@tempc#1}\fi\fi\fi
2416     \next}%
2417 \def\xepersian@localize@verbatim@@testend{%
2418     \ifx\@tempc\@currenvir
2419     \verbatim@finish
2420     \edef\next{\noexpand\end{\@currenvir}%
2421         \noexpand\xepersian@localize@verbatim@rescan{\@currenvir}}}%
2422 \else
2423     \expandafter\verbatim@addtoline
2424     \expandafter{\the\@temptokena[]}%
2425     \expandafter\verbatim@addtoline
2426     \expandafter{\@tempc[]}%
2427     \let\next\xepersian@localize@verbatim@
2428     \fi
2429     \next}%
2430 \def\xepersian@localize@verbatim@rescan#1#2~{\if\noexpand~\noexpand#2~\else
2431     \@warning{Characters dropped after `string\end{#1}'}\fi}}%
2432 \def\
2433     {\begingroup\@verbatim \frenchspacing\@vobeyspaces
2434     \xepersian@localize@verbatim@start}
2435 \@namedef{
2436     *}{\begingroup\@verbatim\xepersian@localize@verbatim@start}
2437 \def\end
2438     {\endtrivlist\endgroup\@doendpe}
2439 \expandafter\let\csname end
2440     *\endcsname =\end

```



```

2437 }{}
2438 \ExplSyntaxOn
2439 \AtBeginDocument{
2440   \xepersian_localize_patch_verbatim:
2441 }
2442 \cs_set:Npn \xepersian_localize_patch_verbatim: {
2443   \@ifpackageloaded{verbatim}{
2444     \cs_set:cpn {*      } }
2445     \group_begin: \@verbatim \fontspec_print_visible_spaces: \xepersian@localize@verbatim@
2446   }
2447 }{
2448 }
2449 }
2450 \ExplSyntaxOff
2451 \@ifpackageloaded{graphicx}{%
2452 \def\Gin@boolkey#1#2{%
2453 \expandafter\@ifdefinable \csname Gin@#2 \endcsname{%
2454 \expandafter\let\csname Gin@#2 \expandafter\endcsname\csname Gin@#2true\endcsname}%
2455 \expandafter\@ifdefinable \csname Gin@#2 \endcsname{%
2456 \expandafter\let\csname Gin@#2 \expandafter\endcsname\csname Gin@#2false\endcsname}%
2457 \csname Gin@#2\ifx\relax#1\relax true\else#1\fi\endcsname}
2458 \define@key{Grot}{origin}[c]{%
2459 \@tfor\@tempa:=#1\do{%
2460   \if l\@tempa \Grot@x\z@\else
2461   \if tempa@ \Grot@x\z@\else
2462   \if r\@tempa \Grot@x\width\else
2463   \if tempa@ \Grot@x\width\else
2464   \if t\@tempa \Grot@y\height\else
2465   \if tempa@ \Grot@y\height\else
2466   \if b\@tempa \Grot@y-\depth\else
2467   \if tempa@ \Grot@y-\depth\else
2468   \if B\@tempa \Grot@y\z@\else
2469   \if tempa@ \Grot@y\z@\fi\fi\fi\fi\fi\fi\fi\fi\fi}}
2470 {draft}{ }{Gin} @ \
2471 {origin}{ }{Gin} @ \
2472 {origin}{ }{Grot} @ \
2473 {clip}{ }{Gin} @ \
2474 {keepaspectratio}{ }{Gin} @ \
2475 {natwidth}{ }{Gin} @ \
2476 {natheight}{ }{Gin} @ \
2477 {bb}{ }{Gin} @ \
2478 {viewport}{ }{Gin} @ \
2479 {trim}{ }{Gin} @ \
2480 {angle}{ }{Gin} @ \
2481 {width}{ }{Gin} @ \
2482 {height}{ }{Gin} @ \
2483 {totalheight}{ }{Gin} @ \
2484 {scale}{ }{Gin} @ \
2485 {type}{ }{Gin} @ \
2486 {ext}{ }{Gin} @ \
2487 {read}{ }{Gin} @ \
2488 {command}{ }{Gin} @ \
2489 {x}{ }{Grot} @ \
2490 {y}{ }{Grot} @ \

```



```

2491 {units}{ {Grot} @ \
2492 }{ }

```

45 File url-xepersian.def

```

2493 \ProvidesFile{url-xepersian.def}[2022/02/18 v0.1 adaptations for url package]
2494 \begingroup
2495 \lccode`+=`\% \lccode`\~=`\%
2496 \lowercase {\long\gdef\Url@actpercent{\Url@Edit\Url@String{+}{~}%
2497 \ifnum\Umathcodenum`\%<32768 \def~{\%}\fi}}%
2498 \endgroup%

```

46 File persian-tex-text.map

```

2499 LHSName "persian-TeX-text"
2500 RHSName "Unicode"
2501
2502 pass(Unicode)
2503 U+0030 <> U+06F0 ;
2504 U+0031 <> U+06F1 ;
2505 U+0032 <> U+06F2 ;
2506 U+0033 <> U+06F3 ;
2507 U+0034 <> U+06F4 ;
2508 U+0035 <> U+06F5 ;
2509 U+0036 <> U+06F6 ;
2510 U+0037 <> U+06F7 ;
2511 U+0038 <> U+06F8 ;
2512 U+0039 <> U+06F9 ;
2513
2514
2515 U+002C <> U+060C ; comma > arabic comma
2516 U+003F <> U+061F ; question mark -> arabic qm
2517 U+003B <> U+061B ; semicolon -> arabic semicolon
2518
2519 ; ligatures from Knuth's original CMR fonts
2520 U+002D U+002D <> U+2013 ; -- -> en dash
2521 U+002D U+002D U+002D <> U+2014 ; --- -> em dash
2522
2523 U+0027 <> U+2019 ; ' -> right single quote
2524 U+0027 U+0027 <> U+201D ; '' -> right double quote
2525 U+0022 > U+201D ; " -> right double quote
2526
2527 U+0060 <> U+2018 ; ` -> left single quote
2528 U+0060 U+0060 <> U+201C ; `` -> left double quote
2529
2530 U+0021 U+0060 <> U+00A1 ; !` -> inverted exclam
2531 U+003F U+0060 <> U+00BF ; ?` -> inverted question
2532
2533 ; additions supported in T1 encoding
2534 U+002C U+002C <> U+201E ; ,, -> DOUBLE LOW-9 QUOTATION MARK
2535 U+003C U+003C <> U+00AB ; << -> LEFT POINTING GUILLEMET
2536 U+003E U+003E <> U+00BB ; >> -> RIGHT POINTING GUILLEMET

```



47 File persian-tex-text-nonnumbers.map

```
2537 LHSName "persian-TeX-text-nonnumbers"
2538 RHSName "Unicode"
2539
2540 pass(Unicode)
2541 U+002C <> U+060C ; comma > arabic comma
2542 U+003F <> U+061F ; question mark -> arabic qm
2543 U+003B <> U+061B ; semicolon -> arabic semicolon
2544
2545 ; ligatures from Knuth's original CMR fonts
2546 U+002D U+002D <> U+2013 ; -- -> en dash
2547 U+002D U+002D U+002D <> U+2014 ; --- -> em dash
2548
2549 U+0027 <> U+2019 ; ' -> right single quote
2550 U+0027 U+0027 <> U+201D ; '' -> right double quote
2551 U+0022 > U+201D ; " -> right double quote
2552
2553 U+0060 <> U+2018 ; ` -> left single quote
2554 U+0060 U+0060 <> U+201C ; `` -> left double quote
2555
2556 U+0021 U+0060 <> U+00A1 ; !` -> inverted exclam
2557 U+003F U+0060 <> U+00BF ; ?` -> inverted question
2558
2559 ; additions supported in T1 encoding
2560 U+002C U+002C <> U+201E ; ,, -> DOUBLE LOW-9 QUOTATION MARK
2561 U+003C U+003C <> U+00AB ; << -> LEFT POINTING GUILLEMET
2562 U+003E U+003E <> U+00BB ; >> -> RIGHT POINTING GUILLEMET
```

48 File rapport1-xepersian.def

```
2563 \ProvidesFile{rapport1-xepersian.def}[2010/07/25 v0.1 adaptations for rapport1 class]
2564 \renewcommand*\thepart{\@tartibi\c@part}
2565 \renewcommand*\appendix{\par
2566   \setcounter{chapter}{0}%
2567   \setcounter{section}{0}%
2568   \gdef\@chapapp{\appendixname}%
2569   \gdef\thechapter{\@harfi\c@chapter}}
```

49 File rapport3-xepersian.def

```
2570 \ProvidesFile{rapport3-xepersian.def}[2010/07/25 v0.2 adaptations for rapport3 class]
2571 \renewcommand*\thepart{\@tartibi\c@part}
2572 \renewcommand*\appendix{\par
2573   \setcounter{chapter}{0}%
2574   \setcounter{section}{0}%
2575   \gdef\@chapapp{\appendixname}%
2576   \gdef\thechapter{\@harfi\c@chapter}}
```

50 File refrep-xepersian.def

```
2577 \ProvidesFile{refrep-xepersian.def}[2010/07/25 v0.2 adaptations for refrep class]
2578 \renewcommand \thepart {\@tartibi\c@part}
2579 \renewcommand\appendix{\par
```



```

2580 \setcounter{chapter}{0}%
2581 \setcounter{section}{0}%
2582 \gdef\@chapapp{\appendixname}%
2583 \gdef\thechapter{\@harfi\c@chapter}
2584 }%end appendix

```

51 File report-xepersian.def

```

2585 \ProvidesFile{report-xepersian.def}[2010/07/25 v0.2 adaptations for standard report class]
2586 \renewcommand\thepart {\@tartibi\c@part}
2587 \renewcommand\appendix{\par
2588 \setcounter{chapter}{0}%
2589 \setcounter{section}{0}%
2590 \gdef\@chapapp{\appendixname}%
2591 \gdef\thechapter{\@harfi\c@chapter}
2592 }%end appendix

```

52 File scrartcl-xepersian.def

```

2593 \ProvidesFile{scrartcl-xepersian.def}[2010/07/25 v0.2 adaptations for scrartcl class]
2594 \renewcommand*{\thepart}{\@tartibi\c@part}
2595 \renewcommand*\appendix{\par%
2596 \setcounter{section}{0}%
2597 \setcounter{subsection}{0}%
2598 \gdef\thesection{\@harfi\c@section}%
2599 \csname appendixmore\endcsname
2600 }
2601 \renewcommand*{\@maybeautodot}[1]{%
2602 \ifx #1\@stop\let\@maybeautodot\relax
2603 \else
2604 \ifx #1\harfi \@autodottrue\fi
2605 \ifx #1\adadi \@autodottrue\fi
2606 \ifx #1\tartibi \@autodottrue\fi
2607 \ifx #1\Alph \@autodottrue\fi
2608 \ifx #1\alph \@autodottrue\fi
2609 \ifx #1\Roman \@autodottrue\fi
2610 \ifx #1\roman \@autodottrue\fi
2611 \ifx #1\@harfi \@autodottrue\fi
2612 \ifx #1\@adadi \@autodottrue\fi
2613 \ifx #1\@tartibi \@autodottrue\fi
2614 \ifx #1\@Alph \@autodottrue\fi
2615 \ifx #1\@alph \@autodottrue\fi
2616 \ifx #1\@Roman \@autodottrue\fi
2617 \ifx #1\@roman \@autodottrue\fi
2618 \ifx #1\romannumeral \@autodottrue\fi
2619 \fi
2620 \@maybeautodot
2621 }

```

53 File scrbook-xepersian.def

```

2622 \ProvidesFile{scrbook-xepersian.def}[2010/07/25 v0.2 adaptations for scrbook class]
2623 \renewcommand*\frontmatter{%
2624 \if@twoside\cleardoubleoddpage\else\clearpage\fi

```



```

2625 \@mainmatterfalse\pagenumbering{harfi}%
2626 }
2627 \renewcommand*{\thepart}{\@tartibi\c@part}
2628 \renewcommand*\appendix{\par%
2629 \setcounter{chapter}{0}%
2630 \setcounter{section}{0}%
2631 \gdef\@chapapp{\appendixname}%
2632 \gdef\thechapter{\@harfi\c@chapter}%
2633 \csname appendixmore\endcsname
2634 }
2635 \renewcommand*{\@maybeautodot}[1]{%
2636 \ifx #1\@stop\let\@maybeautodot\relax
2637 \else
2638 \ifx #1\harfi \@autodottrue\fi
2639 \ifx #1\adadi \@autodottrue\fi
2640 \ifx #1\tartibi \@autodottrue\fi
2641 \ifx #1\Alph \@autodottrue\fi
2642 \ifx #1\alph \@autodottrue\fi
2643 \ifx #1\Roman \@autodottrue\fi
2644 \ifx #1\roman \@autodottrue\fi
2645 \ifx #1\@harfi \@autodottrue\fi
2646 \ifx #1\@adadi \@autodottrue\fi
2647 \ifx #1\@tartibi \@autodottrue\fi
2648 \ifx #1\@Alph \@autodottrue\fi
2649 \ifx #1\@alph \@autodottrue\fi
2650 \ifx #1\@Roman \@autodottrue\fi
2651 \ifx #1\@roman \@autodottrue\fi
2652 \ifx #1\romannumeral \@autodottrue\fi
2653 \fi
2654 \@maybeautodot
2655 }

```

54 File scrreprt-xepersian.def

```

2656 \ProvidesFile{scrreprt-xepersian.def}[2010/07/25 v0.2 adaptations for scrreprt class]
2657 \renewcommand*{\thepart}{\@tartibi\c@part}
2658 \renewcommand*\appendix{\par%
2659 \setcounter{chapter}{0}%
2660 \setcounter{section}{0}%
2661 \gdef\@chapapp{\appendixname}%
2662 \gdef\thechapter{\@harfi\c@chapter}%
2663 \csname appendixmore\endcsname
2664 }
2665 \renewcommand*{\@maybeautodot}[1]{%
2666 \ifx #1\@stop\let\@maybeautodot\relax
2667 \else
2668 \ifx #1\harfi \@autodottrue\fi
2669 \ifx #1\adadi \@autodottrue\fi
2670 \ifx #1\tartibi \@autodottrue\fi
2671 \ifx #1\Alph \@autodottrue\fi
2672 \ifx #1\alph \@autodottrue\fi
2673 \ifx #1\Roman \@autodottrue\fi
2674 \ifx #1\roman \@autodottrue\fi
2675 \ifx #1\@harfi \@autodottrue\fi

```



```

2676 \ifx #1\@adadi \@autodottrue\fi
2677 \ifx #1\@tartibi \@autodottrue\fi
2678 \ifx #1\@Alph \@autodottrue\fi
2679 \ifx #1\@alph \@autodottrue\fi
2680 \ifx #1\@Roman \@autodottrue\fi
2681 \ifx #1\@roman \@autodottrue\fi
2682 \ifx #1\romannumeral \@autodottrue\fi
2683 \fi
2684 \@maybeautodot
2685 }

```

55 File soul-xepersian.def

```

2686 \ProvidesFile{soul-xepersian.def}[2018/12/12 v0.2 adaptations for soul package]
2687 \let\SOUL@tt@latin\SOUL@tt
2688 \newfontface{\SOUL@tt@nonlatin}{Times New Roman}
2689 \def\SOUL@tt{%
2690   \if@nonlatin
2691     \SOUL@tt@nonlatin
2692   \else
2693     \SOUL@tt@latin
2694   \fi
2695 }
2696 \bidi@appto\resetlatinfont{%
2697   \setbox\z@\hbox{\SOUL@tt-}%
2698   \SOUL@ttwidth\wd\z@
2699 }
2700 \bidi@appto\setpersianfont{%
2701   \setbox\z@\hbox{\SOUL@tt-}%
2702   \SOUL@ttwidth\wd\z@
2703 }

```

56 File tkz-linknodes-xepersian.def

```

2704 \ProvidesFile{tkz-linknodes-xepersian.def}[2012/06/13 v0.1 adaptations for tkz-linknodes pack
2705 \renewcommand*{\@SetTab}{%
2706   \let\@alph\@latinalph%
2707   \ifnum \value{C@NumTab}>25\relax%
2708     \setcounter{C@NumTab}{1}%
2709   \else%
2710     \stepcounter{C@NumTab}%
2711   \fi%
2712   \setcounter{C@NumGroup}{0}%
2713   \newcommand*{\PrefixCurrentTab}{\alph{C@NumTab}}
2714   \setboolean{B@FirstLink}{true}
2715   \setboolean{B@NewGroup}{false}
2716   \setcounter{C@NumGroup}{0}
2717   \setcounter{C@CurrentGroup}{0}
2718   \setcounter{NumC@Node}{0}
2719   \setcounter{NumC@stop}{0}
2720   \setcounter{C@NextNode}{0}
2721   \setcounter{C@CurrentStop}{0}
2722   \setcounter{C@CurrentNode}{0}
2723 }%

```



57 File tocloft-xepersian.def

```
2724 \ProvidesFile{tocloft-xepersian.def}[2010/07/25 v0.1 bilingual captions for tocloft package]
2725 \renewcommand*{\cftchapname}{\if@RTL else\ chapter\fi}
2726 \renewcommand*{\cftsecname}{\if@RTL else\ section\fi}
2727 \renewcommand*{\cftsubsecname}{\if@RTL else\ subsection\fi}
2728 \renewcommand*{\cftsubsubsecname}{\if@RTL else\ subsubsection\fi}
2729 \renewcommand*{\cftparaname}{\if@RTL else\ paragraph\fi}
2730 \renewcommand*{\cftsubparaname}{\if@RTL else\ subparagraph\fi}
2731 \renewcommand*{\cftfigname}{\if@RTL else\ figure\fi}
2732 \renewcommand*{\cftsubfigname}{\if@RTL else\ subfigure\fi}
2733 \renewcommand*{\cfttabname}{\if@RTL else\ table\fi}
2734 \renewcommand*{\cftsubtabname}{\if@RTL else\ subtable\fi}
```

58 File varioref-xepersian.def

```
2735 \ProvidesFile{varioref-xepersian.def}[2018/09/29 v0.1 bilingual captions for varioref package]
2736 \def\reftextfaceafter{%
2737   \if@RTL
2738
2739   \reftextvario{ }{ }%
2740   \else
2741     on the \reftextvario{facing}{next} page%
2742   \fi
2743 }
2744 \def\reftextfacebefore{%
2745   \if@RTL
2746
2747   \reftextvario{ }{ }%
2748   \else
2749     on the \reftextvario{facing}{preceding} page%
2750   \fi
2751 }
2752 \def\reftextafter{%
2753   \if@RTL
2754
2755   \reftextvario{ }{ }%
2756   \else
2757     on the \reftextvario{following}{next} page%
2758   \fi
2759 }
2760 \def\reftextbefore{%
2761   \if@RTL
2762
2763   \reftextvario{ }{ }%
2764   \else
2765     on the \reftextvario{preceding}{previous} page%
2766   \fi
2767 }
2768 \def\reftextcurrent{%
2769   \if@RTL
2770
2771   \reftextvario{ }{ }%
2772   \else
```



```

2773   on \reftextvario{this}{the current} page%
2774   \fi
2775 }
2776 \def\reftextfaraway#1{%
2777   \if@RTL
2778   %
2779 ~\pageref{#1}%
2780   \else
2781   on page~\pageref{#1}%
2782   \fi
2783 }
2784 \def\reftextpagerange#1#2{%
2785   \if@RTL
2786   %
2787 ~\pageref{#1}--\pageref{#2}%
2788   \else
2789   on pages~\pageref{#1}--\pageref{#2}%
2790   \fi
2791 }
2792 \def\reftextlabelrange#1#2{%
2793   \if@RTL
2794   \ref{#1} %ref{#2}\~
2795   \else
2796   \ref{#1} to~\ref{#2}%
2797   \fi
2798 }

```

59 File xepersian.sty

```

2799 \NeedsTeXFormat{LaTeX2e}
2800 \def\xepersian@version{23.9}
2801 \def\xepersiandate{2022/05/20}
2802 \ProvidesPackage{xepersian}[\xepersiandate\space v\xepersian@version\space
2803 Persian typesetting in XeLaTeX]
2804 \RequirePackage{fontspec}
2805 \RequirePackage{xepersian-persiancal}
2806 \RequirePackage{xepersian-mathdigitsspec}
2807 \RequirePackage{bidi}
2808 \edef\xepersian@info{*****~J%
2809 * ~J%
2810 * xepersian package (Persian for LaTeX, using XeTeX engine)~J%
2811 * ~J%
2812 * Description: The package supports Persian~J%
2813 * typesetting, using fonts provided in the~J%
2814 * distribution.~J%
2815 * ~J%
2816 * Copyright (c) 2008--2022 Vafa Khalighi~J%
2817 * Copyright (c) 2018--2020 bidi-tex GitHub Organization~J%
2818 * ~J%
2819 * v\xepersian@version, \xepersiandate~J%
2820 * ~J%
2821 * License: LaTeX Project Public License, version~J%
2822 * 1.3c or higher (your choice)~J%
2823 * ~J%

```



```

2824 * Location on CTAN: /macros/xetex/latex/xepersian^^J%
2825 * ^^J%
2826 * Issue tracker: https://github.com/kvafa/xepersian/issues^^J%
2827 * ^^J%
2828 * Discussions: https://github.com/kvafa/xepersian/discussions^^J%
2829 * ^^J%
2830 * Primary author of xepersian package: Vafa Khalighi.^^J%
2831 * ^^J%
2832 *****}
2833 \typeout{\@xepersian@info}
2834 \edef\xepersian@everyjob{\the\everyjob}
2835 \everyjob{\xepersian@everyjob\typeout{\@xepersian@info}}
2836 \newcommand*{\xepersianversion}
2837 {\ensuremath\xepersian@version}
2838 \newcommand*{\IfxepersianPackageVersionLater}[1]{%
2839 \ifdim\xepersian@version pt > #1 pt %
2840 \expandafter\@firstoftwo
2841 \else
2842 \expandafter\@secondoftwo
2843 \fi}
2844 \newcommand*{\IfxepersianPackageVersionBefore}[1]{%
2845 \ifdim\xepersian@version pt < #1 pt %
2846 \expandafter\@firstoftwo
2847 \else
2848 \expandafter\@secondoftwo
2849 \fi}
2850 \newcommand*{\IfxepersianPackageVersion}[1]{%
2851 \ifdim\xepersian@version pt = #1 pt %
2852 \expandafter\@firstoftwo
2853 \else
2854 \expandafter\@secondoftwo
2855 \fi}
2856 \def\prq{«}
2857 \def\plq{»}
2858 \def\xepersian@cmds@temp#1{%
2859 \begingroup\expandafter\expandafter\expandafter\endgroup
2860 \expandafter\ifx\csname xepersian@#1\endcsname\relax
2861 \begingroup
2862 \escapechar=-1 %
2863 \edef\x{\expandafter\meaning\csname#1\endcsname}%
2864 \def\y{#1}%
2865 \def\z##1->{}%
2866 \edef\y{\expandafter\z\meaning\y}%
2867 \expandafter\endgroup
2868 \ifx\x\y
2869 \expandafter\def\csname xepersian@#1\expandafter\endcsname
2870 \expandafter{%
2871 \csname#1\endcsname
2872 }%
2873 \fi
2874 \fi
2875 }%
2876 \xepersian@cmds@temp{shellescape}
2877 \newif\ifwritexviii

```



```

2878 \ifnum\xepersian@shellescape=1\relax
2879   \writexviiiittrue
2880 \else
2881 \writexviiiifalse
2882 \fi
2883 \newfontscript{Persian}{arab}
2884 \newfontlanguage{Persian}{FAR}
2885 \ExplSyntaxOn
2886
2887 \keys_define:nn {fontspec-opentype}
2888 {
2889   Ligatures / PersianTeX .code:n = { \tl_set:Nn \l__fontspec_mapping_tl {persian-tex-text}
2890   Ligatures / PersianTeXOff .code:n = { \tl_clear:N \l__fontspec_mapping_tl },
2891   Ligatures / PersianTeXReset .code:n = { \tl_clear:N \l__fontspec_mapping_tl },
2892 }
2893
2894 \keys_define:nn {fontspec-aat}
2895 {
2896   Ligatures / PersianTeX .code:n =
2897   {
2898     \tl_set:Nn \l__fontspec_mapping_tl { persian-tex-text }
2899   }
2900 }
2901
2902 \keys_define:nn {fontspec-opentype}
2903 {
2904   Ligatures / PersianTeXNoNumbers .code:n = { \tl_set:Nn \l__fontspec_mapping_tl {persian-t
2905   Ligatures / PersianTeXNoNumbersOff .code:n = { \tl_clear:N \l__fontspec_mapping_tl },
2906   Ligatures / PersianTeXNoNumbersReset .code:n = { \tl_clear:N \l__fontspec_mapping_tl },
2907 }
2908
2909 \keys_define:nn {fontspec-aat}
2910 {
2911   Ligatures / PersianTeXNoNumbers .code:n =
2912   {
2913     \tl_set:Nn \l__fontspec_mapping_tl { persian-tex-text-nonnumbers }
2914   }
2915 }
2916
2917 \DeclareDocumentCommand \settextfont { 0{} m 0{} }
2918 {
2919   \__xepersian_main_settextfont:nn {#1,#3} {#2}
2920   \ignorespaces
2921 }
2922 \cs_new:Nn \__xepersian_main_settextfont:nn
2923 {
2924   \fontspec_set_family:Nnn \l__xepersian_persianfont_family_tl {RawFeature={script=arab},Lig
2925   \tl_set_eq:NN \rmdefault \l__xepersian_persianfont_family_tl
2926   \use:x { \exp_not:n { \DeclareRobustCommand \persianfont }
2927   {
2928     \exp_not:N \fontencoding { \g__fontspec_nfss_enc_tl }
2929     \exp_not:N \fontfamily { \l__xepersian_persianfont_family_tl }
2930     \exp_not:N \selectfont
2931   }

```



```

2932 }
2933 \str_if_eq:eeT {\familydefault} {\rmdefault}
2934 { \tl_set_eq:NN \encodingdefault \g__fontspec_nfss_enc_tl }
2935 \__xepersian_settextfont_hook:nn {#1} {#2}
2936 \normalfont
2937 }
2938
2939 \cs_set_eq:NN \__xepersian_settextfont_hook:nn \use_none:nn
2940
2941 \DeclareDocumentCommand \settextdigitfont { 0{ } m 0{ } }
2942 {
2943   \__xepersian_main_settextdigitfont:nn {#1,#3} {#2}
2944   \ignorespaces
2945 }
2946 \cs_new:Nn \__xepersian_main_settextdigitfont:nn
2947 {
2948   \fontspec_set_family:Nnn \l__xepersian_textdigitfont_family_tl {Ligatures=PersianTeX,#1} {#2}
2949   \use:x
2950   {
2951     \exp_not:n { \DeclareRobustCommand \xepersian@textdigitfont }
2952     {
2953       \exp_not:N \fontfamily { \l__xepersian_textdigitfont_family_tl }
2954       \exp_not:N \fontencoding { \g__fontspec_nfss_enc_tl }
2955       \exp_not:N \selectfont
2956     }
2957   }
2958   \__xepersian_settextdigitfont_hook:nn {#1} {#2}
2959   \XeTeXinterchartoks \e@alloc@intercharclass@top \bidi@digits@charclass = {\xepersian@@start@switch@textdigitfont}
2960   \XeTeXinterchartoks \bidi@digits@charclass \e@alloc@intercharclass@top = {\xepersian@@stop@switch@textdigitfont}
2961   \XeTeXinterchartoks \z@ \bidi@digits@charclass = {\xepersian@@start@switch@textdigitfont}
2962   \XeTeXinterchartoks \bidi@digits@charclass \z@ = {\xepersian@@stop@switch@textdigitfont}
2963   \XeTeXinterchartoks \bidi@digits@charclass \bidi@sepmark@charclass = {\xepersian@@stop@switch@textdigitfont}
2964   \XeTeXinterchartoks \bidi@sepmark@charclass \bidi@digits@charclass = {\DigitsDotDashInter}
2965   \if@bidi@csundef{xepersian@D}{\}%
2966     \XeTeXinterchartoks \xepersian@D \bidi@digits@charclass = {\xepersian@@start@switch@textdigitfont}
2967     \XeTeXinterchartoks \bidi@digits@charclass \xepersian@D = {\xepersian@@stop@switch@textdigitfont}
2968     \XeTeXinterchartoks \xepersian@L \bidi@digits@charclass = {\xepersian@@start@switch@textdigitfont}
2969     \XeTeXinterchartoks \bidi@digits@charclass \xepersian@L = {\xepersian@@stop@switch@textdigitfont}
2970     \XeTeXinterchartoks \xepersian@A \bidi@digits@charclass = {\xepersian@@start@switch@textdigitfont}
2971     \XeTeXinterchartoks \bidi@digits@charclass \xepersian@A = {\xepersian@@stop@switch@textdigitfont}
2972     \XeTeXinterchartoks \xepersian@R \bidi@digits@charclass = {\xepersian@@start@switch@textdigitfont}
2973     \XeTeXinterchartoks \bidi@digits@charclass \xepersian@R = {\xepersian@@stop@switch@textdigitfont}
2974   }
2975 }
2976
2977 \newcommand*{\xepersian@@start@switch@textdigitfont}{\ifx\f@family\ttdefault\else\if@nonlatin
2978 \newcommand*{\xepersian@@stop@switch@textdigitfont}{\ifx\f@family\ttdefault\else\if@nonlatin
2979
2980 \cs_set_eq:NN \__xepersian_settextdigitfont_hook:nn \use_none:nn
2981
2982 \DeclareDocumentCommand \setdigitfont { 0{ } m 0{ } }
2983 {
2984   \__xepersian_main_settextdigitfont:nn {#1,#3} {#2}
2985   \__xepersian_main_setmathdigitfont:nn {#1,#3} {#2}

```



```

2986 \ignorespaces
2987 }
2988
2989
2990 \DeclareDocumentCommand \setlatintextfont { 0{} m 0{} }
2991 {
2992   \__xepersian_main_setlatintextfont:nn {#1,#3} {#2}
2993   \ignorespaces
2994 }
2995 \cs_new:Nn \__xepersian_main_setlatintextfont:nn
2996 {
2997   \fontspec_set_family:Nnn \l__xepersian_latinfont_family_tl {Ligatures=TeX,#1} {#2}
2998   \use:x { \exp_not:n { \DeclareRobustCommand \latinfont }
2999     {
3000       \exp_not:N \fontencoding { \g__fontspec_nfss_enc_tl }
3001       \exp_not:N \fontfamily { \l__xepersian_latinfont_family_tl }
3002       \exp_not:N \selectfont
3003     }
3004   }
3005   \str_if_eq:eeT {\familydefault} {\rmdefault}
3006   { \tl_set_eq:NN \encodingdefault \g__fontspec_nfss_enc_tl }
3007   \__xepersian_setlatintextfont_hook:nn {#1} {#2}
3008   \normalfont
3009 }
3010
3011 \cs_set_eq:NN \__xepersian_setlatintextfont_hook:nn \use_none:nn
3012
3013 \tl_set_eq:NN \setlatinsansfont \setsansfont
3014 \tl_set_eq:NN \setlatinmonofont \setmonofont
3015
3016 \DeclareDocumentCommand \defpersianfont { m 0{} m 0{} }
3017 {
3018   \__xepersian_main_defpersianfont:NnnN #1 {#2,#4} {#3}
3019   \NewDocumentCommand
3020 }
3021 \DeclareDocumentCommand \redefpersianfont { m 0{} m 0{} }
3022 {
3023   \__xepersian_main_defpersianfont:NnnN #1 {#2,#4} {#3}
3024   \RenewDocumentCommand
3025 }
3026 \cs_new:Nn \__xepersian_main_defpersianfont:NnnN
3027 {
3028   \fontspec_set_family:cnn { l__xepersian_ \cs_to_str:N #1 _family_tl } {RawFeature={script=
3029   \use:x
3030   {
3031     \exp_not:N #4 \exp_not:N #1 {}
3032     {
3033       \exp_not:N \fontfamily { \use:c {l__xepersian_ \cs_to_str:N #1 _family_tl } }
3034       \exp_not:N \fontencoding { \g__fontspec_nfss_enc_tl }
3035       \exp_not:N \selectfont
3036     }
3037   }
3038 }
3039

```



```

3040 \DeclareDocumentCommand \deflatinfont { m O{} m O{} }
3041 {
3042   \_xepersian_main_deflatinfont:NnnN #1 {#2,#4} {#3}
3043   \NewDocumentCommand
3044 }
3045 \DeclareDocumentCommand \redeflatinfont { m O{} m O{} }
3046 {
3047   \_xepersian_main_deflatinfont:NnnN #1 {#2,#4} {#3}
3048   \RenewDocumentCommand
3049 }
3050 \cs_new:Nn \_xepersian_main_deflatinfont:NnnN
3051 {
3052   \fontspec_set_family:cnn { l\_xepersian_ \cs_to_str:N #1 _family_tl } {Ligatures=TeX,#2} {#3}
3053   \use:x
3054   {
3055     \exp_not:N #4 \exp_not:N #1 {}
3056     {
3057       \exp_not:N \fontfamily { \use:c {l\_xepersian_ \cs_to_str:N #1 _family_tl } }
3058       \exp_not:N \fontencoding { \g__fontspec_nfss_enc_tl }
3059       \exp_not:N \selectfont
3060     }
3061   }
3062 }
3063
3064 \newcommand\persiansfdefault{}
3065 \newcommand\persianttdefault{}
3066 \newcommand\iranicsfdefault{}
3067 \newcommand\navarsfdefault{}
3068 \newcommand\pooksfdefault{}
3069 \newcommand\sayehsfdefault{}
3070 \DeclareRobustCommand\persiansffamily
3071   {\not@math@alphabet\persiansffamily\mathpersiansf
3072   \fontfamily\persiansfdefault\selectfont}
3073 \DeclareRobustCommand\persianttfamily
3074   {\not@math@alphabet\persianttfamily\mathpersiantt
3075   \fontfamily\persianttdefault\selectfont}
3076 \DeclareRobustCommand\iranicsfamily
3077   {\not@math@alphabet\iranicsfamily\mathiranics
3078   \fontfamily\iranicsfdefault\selectfont}
3079 \DeclareRobustCommand\navarsfamily
3080   {\not@math@alphabet\navarsfamily\mathnavar
3081   \fontfamily\navarsfdefault\selectfont}
3082 \DeclareRobustCommand\pooksfamily
3083   {\not@math@alphabet\pooksfamily\mathpook
3084   \fontfamily\pooksfdefault\selectfont}
3085 \DeclareRobustCommand\sayehsfamily
3086   {\not@math@alphabet\sayehsfamily\mathsayeh
3087   \fontfamily\sayehsfdefault\selectfont}
3088 \DeclareTextFontCommand{\textpersiansf}{\persiansffamily}
3089 \DeclareTextFontCommand{\textpersiantt}{\persianttfamily}
3090 \DeclareTextFontCommand{\textiranics}{\iranicsfamily}
3091 \DeclareTextFontCommand{\textnavar}{\navarsfamily}
3092 \DeclareTextFontCommand{\textpook}{\pooksfamily}
3093 \DeclareTextFontCommand{\textsayeh}{\sayehsfamily}

```



```

3094
3095 \DeclareDocumentCommand \setpersiansansfont { 0{} m 0{} }
3096 {
3097   \_xepersian_main_setpersiansansfont:nn {#1,#3} {#2}
3098   \ignorespaces
3099 }
3100 \cs_new:Nn \_xepersian_main_setpersiansansfont:nn
3101 {
3102   \fontspec_set_family:Nnn \l__xepersian_persiansffamily_family_tl {RawFeature={script=arab}},
3103   \tl_set_eq:NN \persiansfdefault \l__xepersian_persiansffamily_family_tl
3104   \use:x { \exp_not:n { \DeclareRobustCommand \persiansffamily }
3105     {
3106       \exp_not:N \fontencoding { \g__fontspec_nfss_enc_tl }
3107       \exp_not:N \fontfamily { \l__xepersian_persiansffamily_family_tl }
3108       \exp_not:N \selectfont
3109     }
3110   }
3111   \str_if_eq:eeT {\familydefault} {\persiansfdefault}
3112     { \tl_set_eq:NN \encodingdefault \g__fontspec_nfss_enc_tl }
3113   \_xepersian_setpersiansansfont_hook:nn {#1} {#2}
3114   \normalfont
3115 }
3116
3117 \cs_set_eq:NN \_xepersian_setpersiansansfont_hook:nn \use_none:nn
3118
3119 \DeclareDocumentCommand \setpersianmonofont { 0{} m 0{} }
3120 {
3121   \_xepersian_main_setpersianmonofont:nn {#1,#3} {#2}
3122   \ignorespaces
3123 }
3124 \cs_new:Nn \_xepersian_main_setpersianmonofont:nn
3125 {
3126   \fontspec_set_family:Nnn \l__xepersian_persianttfamily_family_tl {RawFeature={script=arab}},
3127   \tl_set_eq:NN \persianttdefault \l__xepersian_persianttfamily_family_tl
3128   \use:x { \exp_not:n { \DeclareRobustCommand \persianttfamily }
3129     {
3130       \exp_not:N \fontencoding { \g__fontspec_nfss_enc_tl }
3131       \exp_not:N \fontfamily { \l__xepersian_persianttfamily_family_tl }
3132       \exp_not:N \selectfont
3133     }
3134   }
3135   \str_if_eq:eeT {\familydefault} {\persianttdefault}
3136     { \tl_set_eq:NN \encodingdefault \g__fontspec_nfss_enc_tl }
3137   \_xepersian_setpersianmonofont_hook:nn {#1} {#2}
3138   \normalfont
3139 }
3140
3141 \cs_set_eq:NN \_xepersian_setpersianmonofont_hook:nn \use_none:nn
3142
3143 \DeclareDocumentCommand \setnavarfont { 0{} m 0{} }
3144 {
3145   \_xepersian_main_setnavarfont:nn {#1,#3} {#2}
3146   \ignorespaces
3147 }

```




```

3148 \cs_new:Nn \__xepersian_main_setnavarfont:nn
3149 {
3150   \fontspec_set_family:Nnn \l__xepersian_navarfamilly_family_tl {RawFeature={script=arab},Ligatures={all}}
3151   \tl_set_eq:NN \navardefault \l__xepersian_navarfamilly_family_tl
3152   \use:x { \exp_not:n { \DeclareRobustCommand \navarfamilly }
3153     {
3154       \exp_not:N \fontencoding { \g__fontspec_nfss_enc_tl }
3155       \exp_not:N \fontfamily { \l__xepersian_navarfamilly_family_tl }
3156       \exp_not:N \selectfont
3157     }
3158   }
3159   \str_if_eq:eeT {\familydefault} {\navardefault}
3160   { \tl_set_eq:NN \encodingdefault \g__fontspec_nfss_enc_tl }
3161   \__xepersian_setnavarfont_hook:nn {#1} {#2}
3162   \normalfont
3163 }
3164
3165 \cs_set_eq:NN \__xepersian_setnavarfont_hook:nn \use_none:nn
3166
3167 \DeclareDocumentCommand \setpookfont { O{} m O{} }
3168 {
3169   \__xepersian_main_setpookfont:nn {#1,#3} {#2}
3170   \ignorespaces
3171 }
3172 \cs_new:Nn \__xepersian_main_setpookfont:nn
3173 {
3174   \fontspec_set_family:Nnn \l__xepersian_pookfamily_family_tl {RawFeature={script=arab},Ligatures={all}}
3175   \tl_set_eq:NN \pookdefault \l__xepersian_pookfamily_family_tl
3176   \use:x { \exp_not:n { \DeclareRobustCommand \pookfamily }
3177     {
3178       \exp_not:N \fontencoding { \g__fontspec_nfss_enc_tl }
3179       \exp_not:N \fontfamily { \l__xepersian_pookfamily_family_tl }
3180       \exp_not:N \selectfont
3181     }
3182   }
3183   \str_if_eq:eeT {\familydefault} {\pookdefault}
3184   { \tl_set_eq:NN \encodingdefault \g__fontspec_nfss_enc_tl }
3185   \__xepersian_setpookfont_hook:nn {#1} {#2}
3186   \normalfont
3187 }
3188
3189 \cs_set_eq:NN \__xepersian_setpookfont_hook:nn \use_none:nn
3190
3191 \DeclareDocumentCommand \setsayehfont { O{} m O{} }
3192 {
3193   \__xepersian_main_setsayehfont:nn {#1,#3} {#2}
3194   \ignorespaces
3195 }
3196 \cs_new:Nn \__xepersian_main_setsayehfont:nn
3197 {
3198   \fontspec_set_family:Nnn \l__xepersian_sayehfamily_family_tl {RawFeature={script=arab},Ligatures={all}}
3199   \tl_set_eq:NN \sayehdefault \l__xepersian_sayehfamily_family_tl
3200   \use:x { \exp_not:n { \DeclareRobustCommand \sayehfamily }
3201     {

```



```

3202 \exp_not:N \fontencoding { \g__fontspec_nfss_enc_tl }
3203 \exp_not:N \fontfamily { \l__xepersian_sayehfamily_family_tl }
3204 \exp_not:N \selectfont
3205 }
3206 }
3207 \str_if_eq:eeT {\familydefault} {\sayehdefault}
3208 { \tl_set_eq:NN \encodingdefault \g__fontspec_nfss_enc_tl }
3209 \__xepersian_setsayehfont_hook:nn {#1} {#2}
3210 \normalfont
3211 }
3212
3213 \cs_set_eq:NN \__xepersian_setsayehfont_hook:nn \use_none:nn
3214
3215 \DeclareDocumentCommand \setiraniconfont { 0{} m 0{} }
3216 {
3217 \__xepersian_main_setiraniconfont:nn {#1,#3} {#2}
3218 \ignorespaces
3219 }
3220 \cs_new:Nn \__xepersian_main_setiraniconfont:nn
3221 {
3222 \fontspec_set_family:Nnn \l__xepersian_iranicfamily_family_tl {RawFeature={script=arab},Ligatures=TeX}
3223 \tl_set_eq:NN \iranicdefault \l__xepersian_iranicfamily_family_tl
3224 \use:x { \exp_not:n { \DeclareRobustCommand \iranicfamily }
3225 {
3226 \exp_not:N \fontencoding { \g__fontspec_nfss_enc_tl }
3227 \exp_not:N \fontfamily { \l__xepersian_iranicfamily_family_tl }
3228 \exp_not:N \selectfont
3229 }
3230 }
3231 \str_if_eq:eeT {\familydefault} {\iranicdefault}
3232 { \tl_set_eq:NN \encodingdefault \g__fontspec_nfss_enc_tl }
3233 \__xepersian_setiraniconfont_hook:nn {#1} {#2}
3234 \normalfont
3235 }
3236
3237 \cs_set_eq:NN \__xepersian_setiraniconfont_hook:nn \use_none:nn
3238
3239 \ExplSyntaxOff
3240 \def\resetlatinfont{%
3241 \let\@xepersian@@fontsize@scale\xepersian@@fontsize@scale%
3242 \let\@xepersian@@baselineskip@scale\xepersian@@baselineskip@scale%
3243 \def\xepersian@@fontsize@scale{%
3244 \strip@pt\dimexpr 1pt * \dimexpr
3245 \xepersian@@latin@fontsize@scale pt\relax
3246 / \dimexpr \@xepersian@@fontsize@scale pt\relax\relax
3247 }%
3248 \def\xepersian@@baselineskip@scale{%
3249 \strip@pt\dimexpr 1pt * \dimexpr
3250 \xepersian@@latin@baselineskip@scale pt\relax
3251 / \dimexpr \@xepersian@@baselineskip@scale pt\relax\relax
3252 }%
3253 \@nonlatinfalse%
3254 \let\normalfont\latinfont%
3255 \let\reset@font\normalfont%

```



```

3255 \latinfont%
3257 \fontsize\fontsize\font@baselineskip%
3258 \selectfont%
3259 \let\xepersian@@fontsize@scale\xepersian@@latin@fontsize@scale%
3260 \let\xepersian@@baselineskip@scale\xepersian@@latin@baselineskip@scale%
3261 }
3262 \def\setpersianfont{%
3263 \let\xepersian@@fontsize@scale\xepersian@@fontsize@scale%
3264 \let\xepersian@@baselineskip@scale\xepersian@@baselineskip@scale%
3265 \let\xepersian@@fontsize@scale\one%
3266 \let\xepersian@@baselineskip@scale\one%
3267 \@nonlatintrue%
3268 \let\normalfont\persianfont%
3269 \let\reset@font\normalfont%
3270 \persianfont%
3271 \fontsize\fontsize\font@baselineskip%
3272 \selectfont%
3273 \let\xepersian@@fontsize@scale\xepersian@@fontsize@scale%
3274 \let\xepersian@@baselineskip@scale\xepersian@@baselineskip@scale%
3275 }
3276 \bidi@newrobustcmd*{\lr}[1]{\LRE{\resetlatinfont#1}}
3277 \bidi@newrobustcmd*{\rl}[1]{\RLE{\setpersianfont#1}}
3278 \def\latin{\LTR\LatinAlphs\@RTL@footnotefalse\resetlatinfont}
3279 \def\endlatin{\endLTR}
3280 \newenvironment{latin*}{\latin
3281 \everypar%
3282 {\setbox\z@ \lastbox
3283 \ifvoid\z@
3284 \kern-\parindent
3285 \fi}%
3286 }%
3287 }{\endlatin\@endpetrue}
3288 \def\persian{\RTL\PersianAlphs\@RTL@footnotetrue\setpersianfont}
3289 \def\endpersian{\endRTL}
3290 \newenvironment{persian*}{\persian
3291 \everypar%
3292 {\setbox\z@ \lastbox
3293 \ifvoid\z@
3294 \kern-\parindent
3295 \fi}%
3296 }%
3297 }{\endpersian\@endpetrue}
3298 \newenvironment{latinitems}{\begin{LTRitems}\LatinAlphs\@RTL@footnotefalse\resetlatinfont}{\end{LATINITEMS}}
3299 \newenvironment{persianitems}{\begin{RTLitems}\PersianAlphs\@RTL@footnotetrue\setpersianfont}{\end{PERSIANITEMS}}
3300 \let\originaltoday=\today
3301 \def\latintoday{\lr{\originaltoday}}
3302 \def\today{\rl{\persiantoday}}
3303 \def \@LTRmarginparreset {%
3304 \reset@font
3305 \resetlatinfont
3306 \normalsize
3307 \@minipagetrue
3308 \everypar{\@minipagefalse\everypar{}\beginL}%
3309 }

```

```

3310 \DeclareRobustCommand\Latincite{%
3311   \ifnextchar [{\@tempswatrue\@Latincitex}{\@tempswafalse\@Latincitex[]}}
3312 \def\@Latincitex[#1]#2{\leavevmode
3313   \let\@citea\@empty
3314   \@cite{\lr{\@for\@citeb:=#2\do
3315     {\@citea\def\@citea{,\penalty\@m\ }%
3316     \edef\@citeb{\expandafter\@firstofone\@citeb\@empty}}%
3317     \if@filesw\immediate\write\@auxout{\string\citation{\@citeb}}\fi
3318     \ifundefined{b@\@citeb}{\hbox{\reset@font\bfseries ?}%
3319       \G@refundefinedtrue
3320       \@latex@warning
3321         {Citation `'\@citeb' on page \thepage \space undefined}}%
3322       {\@cite\ofmt{\csname b@\@citeb\endcsname}}}\#1}}
3323
3324 \renewcommand*{\bidi@font@@outputpage}{\if@RTLmain\setpersianfont\else\resetlatinfont\fi}
3325
3326 \newif\if@xepersian@@computeautoilg
3327 \newcount\xepersian@tcl
3328 \newdimen\xepersian@ilg
3329 \newdimen\xepersian@strutilg
3330 \chardef\f@ur=4
3331 \newcommand*{\xepersian@computeautoilg}{% compute the interline glue
3332   \xepersian@tcl=1536\xepersian@ilg\z@\xepersian@strutilg\z@
3333   \loop
3334     \iffontchar\font\xepersian@tcl
3335     \ifdim\xeTeXglyphbounds\tw@ \the\xeTeXcharglyph\xepersian@tcl>\z@
3336     \ifdim\xeTeXglyphbounds\tw@ \the\xeTeXcharglyph\xepersian@tcl>\xepersian@ilg
3337       \xepersian@ilg=\xeTeXglyphbounds\tw@ \the\xeTeXcharglyph\xepersian@tcl
3338     \fi
3339     \else
3340     \ifdim\xeTeXglyphbounds\tw@ \the\xeTeXcharglyph\xepersian@tcl<\z@
3341     \ifdim-\xeTeXglyphbounds\tw@ \the\xeTeXcharglyph\xepersian@tcl>\xepersian@ilg
3342       \xepersian@ilg=-\xeTeXglyphbounds\tw@ \the\xeTeXcharglyph\xepersian@tcl
3343     \fi
3344     \fi
3345     \fi
3346     \ifdim\xeTeXglyphbounds\f@ur \the\xeTeXcharglyph\xepersian@tcl>\z@
3347     \ifdim\xeTeXglyphbounds\f@ur \the\xeTeXcharglyph\xepersian@tcl>\xepersian@strutilg
3348       \xepersian@strutilg=\xeTeXglyphbounds\f@ur \the\xeTeXcharglyph\xepersian@tcl
3349     \fi
3350     \else
3351     \ifdim\xeTeXglyphbounds\f@ur \the\xeTeXcharglyph\xepersian@tcl<\z@
3352     \ifdim-\xeTeXglyphbounds\f@ur \the\xeTeXcharglyph\xepersian@tcl>\xepersian@strutilg
3353       \xepersian@strutilg=-\xeTeXglyphbounds\f@ur \the\xeTeXcharglyph\xepersian@tcl
3354     \fi
3355     \fi
3356     \fi
3357     \fi
3358     \advance\xepersian@tcl\@ne
3359     \ifnum\xepersian@tcl<1792\repeat
3360     \advance\xepersian@strutilg\xepersian@ilg
3361 % \ifdim\xepersian@strutilg>\baselineskip
3362 % \PackageInfo{xepersian}{character with height+depth greater than current baselineskip four
3363 % \PackageInfo{xepersian}{baselineskip changed to that height+depth!}

```



```

3364 % \linespread{\strip@pt\dimexpr 1pt * \xepersian@strutilg / \baselineskip\relax}
3365 % \selectfont
3366 % \fi
3367 }
3368
3369 \newif\if@@textdigitfont@on
3370
3371 \newcommand{\TextDigitFontOn}{\@@textdigitfont@ontrue}
3372 \newcommand{\TextDigitFontOff}{\@@textdigitfont@onfalse}
3373
3374 \TextDigitFontOn
3375
3376 \newcommand*\xepersian@setlength[4]{%
3377     \ifdim #2<\ifdim #2=\z@ \z@ \else \p@\fi
3378     \ifdim #3<\ifdim #3=\z@ \z@ \else \p@\fi
3379     \ifdim #4<\ifdim #4=\z@ \z@ \else \p@\fi
3380     \setlength{#1}{\p@ \@plus\p@ \@minus\p@}%
3381     \else
3382     \setlength{#1}{\p@ \@plus\p@ \@minus#4}%
3383     \fi
3384     \else
3385     \ifdim #4<\ifdim #4=\z@ \z@ \else \p@\fi
3386     \setlength{#1}{\p@ \@plus#3 \@minus\p@}%
3387     \else
3388     \setlength{#1}{\p@ \@plus#3 \@minus#4}%
3389     \fi
3390     \fi
3391     \else
3392     \ifdim #3<\ifdim #3=\z@ \z@ \else \p@\fi
3393     \ifdim #4<\ifdim #4=\z@ \z@ \else \p@\fi
3394     \setlength{#1}{#2 \@plus\p@ \@minus\p@}%
3395     \else
3396     \setlength{#1}{#2 \@plus\p@ \@minus#4}%
3397     \fi
3398     \else
3399     \ifdim #4<\ifdim #4=\z@ \z@ \else \p@\fi
3400     \setlength{#1}{#2 \@plus#3 \@minus\p@}%
3401     \else
3402     \setlength{#1}{#2 \@plus#3 \@minus#4}%
3403     \fi
3404     \fi
3405     \fi
3406 }
3407
3408 \newcommand*{\setfontsize}[2][1.2\@tempdima]{%
3409     \@defaultunits\@tempdima#2pt\relax\@nnil
3410     \setlength{\@tempdimc}{\@tempdima}%
3411     \addtolength{\@tempdimc}{-10\p@}%
3412     \edef\@ptsize{\strip@pt\@tempdimc}%
3413     \@defaultunits\@tempdimb#1pt\relax\@nnil
3414     \setlength{\@tempdimc}{\dimexpr (100\@tempdimb / \@tempdima * \p@)}%
3415     \edef\@tempb{\the\@tempdimc}%
3416     \setlength{\@tempdimc}{\@tempdima}%
3417     \def\@tempa##1##2##3##4##5\@nnil{\def##1{##2.##3##4}}%

```



```

3418 \expandafter\@tempa\expandafter\@tempb\@tempb\@nnil%
3419 \xepersian@setlength{\abovedisplayskip}%
3420     {.8333\@tempdimb}{.1667\@tempdimb}{.5\@tempdimb}%
3421 \xepersian@setlength{\abovedisplayshortskip}{\z@}{.25\@tempdimb}{\z@}%
3422 \xepersian@setlength{\belowdisplayshortskip}%
3423     {.5\@tempdimb}{.25\@tempdimb}{.25\@tempdimb}%
3424 \setlength{\belowdisplayskip}{\abovedisplayskip}%
3425 \edef\normalsize{%
3426     \noexpand\@setfontsize\noexpand\normalsize
3427     {\the\@tempdima}{\the\@tempdimb}%
3428     \abovedisplayskip \the\abovedisplayskip
3429     \abovedisplayshortskip \the\abovedisplayshortskip
3430     \belowdisplayskip \the\belowdisplayskip
3431     \belowdisplayshortskip \the\belowdisplayshortskip
3432     \let\noexpand\@listi\noexpand\@listI
3433 }%
3434 \setlength{\@tempdima}{0.9125\@tempdimc}%
3435 \setlength{\@tempdimb}{\@tempb\@tempdima}%
3436 \xepersian@setlength{\abovedisplayskip}%
3437     {.8333\@tempdimb}{.1667\@tempdimb}{.5\@tempdimb}%
3438 \xepersian@setlength{\abovedisplayshortskip}{\z@}{.25\@tempdimb}{\z@}%
3439 \xepersian@setlength{\belowdisplayshortskip}%
3440     {.5\@tempdimb}{.25\@tempdimb}{.25\@tempdimb}%
3441 \setlength{\belowdisplayskip}{\abovedisplayskip}%
3442 \edef\small{%
3443     \noexpand\@setfontsize\noexpand\small
3444     {\the\@tempdima}{\the\@tempdimb}%
3445     \abovedisplayskip \the\abovedisplayskip
3446     \abovedisplayshortskip \the\abovedisplayshortskip
3447     \belowdisplayskip \the\belowdisplayskip
3448     \belowdisplayshortskip \the\belowdisplayshortskip
3449     \let\noexpand\@listi\noexpand\@listi@small
3450 }%
3451 \setlength{\@tempdima}{.83334\@tempdimc}%
3452 \setlength{\@tempdimb}{\@tempb\@tempdima}%
3453 \xepersian@setlength{\abovedisplayskip}%
3454     {.8333\@tempdimb}{.1667\@tempdimb}{.5\@tempdimb}%
3455 \xepersian@setlength{\abovedisplayshortskip}{\z@}{.25\@tempdimb}{\z@}%
3456 \xepersian@setlength{\belowdisplayshortskip}%
3457     {.5\@tempdimb}{.25\@tempdimb}{.25\@tempdimb}%
3458 \setlength{\belowdisplayskip}{\abovedisplayskip}%
3459 \edef\footnotesize{%
3460     \noexpand\@setfontsize\noexpand\footnotesize
3461     {\the\@tempdima}{\the\@tempdimb}%
3462     \abovedisplayskip \the\abovedisplayskip
3463     \abovedisplayshortskip \the\abovedisplayshortskip
3464     \belowdisplayskip \the\belowdisplayskip
3465     \belowdisplayshortskip \the\belowdisplayshortskip
3466     \let\noexpand\@listi\noexpand\@listi@footnotesize
3467 }%
3468 \setlength{\@tempdima}{.66667\@tempdimc}%
3469 \setlength{\@tempdimb}{\@tempb\@tempdima}%
3470 \edef\scriptsize{%
3471     \noexpand\@setfontsize\noexpand\scriptsize

```



```

3472     {\the\@tempdima}{\the\@tempdimb}%
3473 }%
3474 \setlength{\@tempdima}{.5\@tempdimc}%
3475 \setlength{\@tempdimb}{\@tempb\@tempdima}%
3476 \edef\tiny{%
3477     \noexpand\setfontsize\noexpand\tiny
3478     {\the\@tempdima}{\the\@tempdimb}%
3479 }%
3480 \setlength{\@tempdima}{1.2\@tempdimc}%
3481 \setlength{\@tempdimb}{\@tempb\@tempdima}%
3482 \edef\large{%
3483     \noexpand\setfontsize\noexpand\large
3484     {\the\@tempdima}{\the\@tempdimb}%
3485 }%
3486 \setlength{\@tempdima}{1.44\@tempdimc}%
3487 \setlength{\@tempdimb}{\@tempb\@tempdima}%
3488 \edef\Large{%
3489     \noexpand\setfontsize\noexpand\Large
3490     {\the\@tempdima}{\the\@tempdimb}%
3491 }%
3492 \setlength{\@tempdima}{1.728\@tempdimc}%
3493 \setlength{\@tempdimb}{\@tempb\@tempdima}%
3494 \edef\LARGE{%
3495     \noexpand\setfontsize\noexpand\LARGE
3496     {\the\@tempdima}{\the\@tempdimb}%
3497 }%
3498 \setlength{\@tempdima}{2.074\@tempdimc}%
3499 \setlength{\@tempdimb}{\@tempb\@tempdima}%
3500 \edef\huge{%
3501     \noexpand\setfontsize\noexpand\huge
3502     {\the\@tempdima}{\the\@tempdimb}%
3503 }%
3504 \setlength{\@tempdima}{2.488\@tempdimc}%
3505 \setlength{\@tempdimb}{\@tempb\@tempdima}%
3506 \edef\Huge{%
3507     \noexpand\setfontsize\noexpand\Huge
3508     {\the\@tempdima}{\the\@tempdimb}%
3509 }%
3510 \normalsize
3511 \setlength{\@tempdimb}{\f@baselineskip}%
3512 \xepersian@setlength{\parsep}%
3513     {.3333\@tempdimb}{.1667\@tempdimb}{.0833\@tempdimb}%
3514 \xepersian@setlength{\topsep}%
3515     {.6667\@tempdimb}{.1667\@tempdimb}{.3333\@tempdimb}%
3516 \@tempswafalse
3517 \begingroup
3518     \def\@list@extra{\aftergroup\@tempswatrue}%
3519     \csname @listi\endcsname
3520 \endgroup
3521 \edef\@listi{\leftmargin\leftmargini
3522     \topsep \the\topsep
3523     \parsep \the\parsep
3524     \itemsep \parsep
3525     \if@tempswa\noexpand\@list@extra\fi

```



```

3526 }%
3527 \let\@listI\@listi
3528 \xepersian@setlength{\parsep}%
3529         {.1667\@tempdimb}{.0833\@tempdimb}{.0833\@tempdimb}%
3530 \xepersian@setlength{\topsep}%
3531         {.3333\@tempdimb}{.1667\@tempdimb}{.1667\@tempdimb}%
3532 \@tempswafalse
3533 \begingroup
3534 \def\@list@extra{\aftergroup\@tempwattrue}%
3535 \csname @listi\endcsname
3536 \endgroup
3537 \edef\@listi@small{\leftmargin\leftmargini
3538 \topsep \the\topsep
3539 \parsep \the\parsep
3540 \itemsep \parsep
3541 \if@tempswa\noexpand\@list@extra\fi
3542 }%
3543 \xepersian@setlength{\parsep}%
3544         {.125\@tempdimb}{.0625\@tempdimb}{.0625\@tempdimb}%
3545 \xepersian@setlength{\topsep}%
3546         {.25\@tempdimb}{.125\@tempdimb}{.125\@tempdimb}%
3547 \@tempswafalse
3548 \begingroup
3549 \def\@list@extra{\aftergroup\@tempwattrue}%
3550 \csname @listi\endcsname
3551 \endgroup
3552 \edef\@listi@footnotesize{\leftmargin\leftmargini
3553 \topsep \the\topsep
3554 \parsep \the\parsep
3555 \itemsep \parsep
3556 \if@tempswa\noexpand\@list@extra\fi
3557 }%
3558 \xepersian@setlength{\parsep}%
3559         {.1667\@tempdimb}{.0833\@tempdimb}{.0833\@tempdimb}%
3560 \xepersian@setlength{\topsep}%
3561         {.3333\@tempdimb}{.1667\@tempdimb}{.0833\@tempdimb}%
3562 \@tempswafalse
3563 \begingroup
3564 \def\@list@extra{\aftergroup\@tempwattrue}%
3565 \csname @listii\endcsname
3566 \endgroup
3567 \edef\@listii{\leftmargin\leftmarginii
3568 \labelwidth=\dimexpr \leftmargin-\labelsep
3569 \topsep \the\topsep
3570 \parsep \the\parsep
3571 \itemsep \parsep
3572 \if@tempswa\noexpand\@list@extra\fi
3573 }%
3574 \xepersian@setlength{\topsep}%
3575         {.1667\@tempdimb}{.0833\@tempdimb}{.0833\@tempdimb}%
3576 \setlength{\partopsep}{\z@ \@plus\z@ \@minus\p@}%
3577 \@tempswafalse
3578 \begingroup
3579 \def\@list@extra{\aftergroup\@tempwattrue}%

```




```

3580 \csname @listiii\endcsname
3581 \endgroup
3582 \edef\@listiii{\leftmargin\leftmarginiii
3583 \labelwidth=\dimexpr \leftmargin-\labelsep
3584 \topsep \the\topsep
3585 \parsep \z@
3586 \partopsep \the\partopsep
3587 \itemsep \topsep
3588 \if@tempswa\noexpand\@list@extra\fi
3589 }%
3590 \@tempswafalse
3591 \begingroup
3592 \def\@list@extra{\aftergroup\@tempswattrue}%
3593 \csname @listiv\endcsname
3594 \endgroup
3595 \edef\@listiv{\leftmargin\leftmarginiv
3596 \labelwidth=\dimexpr \leftmargin-\labelsep\relax
3597 \if@tempswa\noexpand\@list@extra\fi
3598 }%
3599 \@tempswafalse
3600 \begingroup
3601 \def\@list@extra{\aftergroup\@tempswattrue}%
3602 \csname @listv\endcsname
3603 \endgroup
3604 \edef\@listv{\leftmargin\leftmarginv
3605 \labelwidth=\dimexpr \leftmargin-\labelsep\relax
3606 \if@tempswa\noexpand\@list@extra\fi
3607 }%
3608 \@tempswafalse
3609 \begingroup
3610 \def\@list@extra{\aftergroup\@tempswattrue}%
3611 \csname @listvi\endcsname
3612 \endgroup
3613 \edef\@listvi{\leftmargin\leftmarginvi
3614 \labelwidth=\dimexpr \leftmargin-\labelsep\relax
3615 \if@tempswa\noexpand\@list@extra\fi
3616 }%
3617 \@listi
3618 \setlength{\@tempdimb}{\f@baselineskip}%
3619 \setlength{\footnotesep}{.555\@tempdimb}%
3620 \xepersian@setlength{\skip\footins}%
3621 { .75\@tempdimb}{.3333\@tempdimb}{.1667\@tempdimb}%
3622 \xepersian@setlength{\floatsep}%
3623 {\@tempdimb}{.1667\@tempdimb}{.1667\@tempdimb}%
3624 \xepersian@setlength{\textfloatsep}%
3625 {1.6667\@tempdimb}{.1667\@tempdimb}{.3333\@tempdimb}%
3626 \setlength{\intextsep}{\floatsep}%
3627 \setlength{\dblfloatsep}{\floatsep}%
3628 \setlength{\dbltextfloatsep}{\textfloatsep}%
3629 \setlength{\@fptop}{\z@ \@plus 1fil}%
3630 \setlength{\@fpsep}{.6667\@tempdimb \@plus 2fil}%
3631 \setlength{\@fpbot}{\@fptop}%
3632 \setlength{\@dblftop}{\@fptop}%
3633 \setlength{\@dblpsep}{\@fpsep}%

```



```

3634 \setlength{\@dblfpbot}{\@fptop}%
3635 \xepersian@setlength{\partopsep}{.2\@tempdimb}{.1\@tempdimb}{.1\@tempdimb}%
3636 }
3637
3638 \renewcommand*{\@bidi@logo@}{%
3639 \@bidi@logo@hb@xt@columnwidth
3640 {\hss\bfseries
3641
3642 \textsf{\XePersian}\quad\@bidi@logo{xepersian-logo.pdf}}
3643
3644 \renewcommand*{\@bidi@pdfcreator}{%
3645 The xepersian package, v\xepersian@version, \xepersian@date
3646 }
3647
3648 \newcommand*{\@xepersian@pdfcustomproperties}{%
3649 This is the xepersian package, Version \xepersian@version,
3650 Released May 20, 2022.
3651 }
3652
3653 \newcommand\twocolumnstableofcontents{%
3654 \if@bidi@csundef{multi@column@out}{%
3655 \PackageError{xepersian}{Oops! you should load multicol package before xepersian package for
3656 \begin{multicols}{2}[\section*{\contentsname}]}%
3657 \small
3658 \@starttoc{toc}%
3659 \end{multicols}}
3660 \bidi@newrobustcmd*{\XePersian}{\leavevmode$\smash{\hbox{X\lower.5ex
3661 \hbox{\kern-.125em\bidi@reflect@box{E}}Persian}}}$}
3662 \def\figurename{\if@RTL else\ Figure\fi}
3663 \def\tablename{\if@RTL else\ Table\fi}
3664 \def\contentsname{\if@RTL else\ Contents\fi}
3665 \def\listfigurename{\if@RTL else\ List of Figures\fi}
3666 \def\listtablename{\if@RTL else\ List of Tables\fi}
3667 \def\appendixname{\if@RTL else\ Appendix\fi}
3668 \def\indexname{\if@RTL else\ Index\fi}
3669 \def\refname{\if@RTL else\ References\fi}
3670 \def\abstractname{\if@RTL else\ Abstract\fi}
3671 \def\partname{\if@RTL else\ Part\fi}
3672 \def\datename{\if@RTL else\ Date:\fi}
3673 \def\@and{\if@RTL else\ and\fi}
3674 \def\bibname{\if@RTL else\ Bibliography\fi}
3675 \def\chaptername{\if@RTL else\ Chapter\fi}
3676 \def\ccname{\if@RTL else\ cc\fi}
3677 \def\enclname{\if@RTL else\ encl\fi}
3678 \def\pagename{\if@RTL else\ Page\fi}
3679 \def\headtoname{\if@RTL else\ To\fi}
3680 \def\proofname{\if@RTL else\ Proof\fi}
3681 \def\@Abjad#1{%
3682 \ifcase#1\or or\ or\ or\ %
3683 \or or\ or\ or\ or\ %
3684 \or or\ or\ or\ or\ %
3685 \or or\ or\ or\ %
3686 \or or\ or\ or\ or\ %
3687 \or or\ or\ or\ or\ %

```



```

3688         \else\@ctrerr\fi}
3689 \def\Abjad#1{\expandafter\@Abjad\csname c@#1\endcsname}
3690 \let\Abjadnumeral\@Abjad
3691 \def\@harfi#1{\ifcase#1\or or\ or\ or\ or\ or\
3692 or\ or\ or\ or\ or\ or\ or\ or\ or\ or\ or\ or\ or\ or\ or\
3693 or\ or\ or\ or\ or\ or\ or\ or\ or\ {else\@ctrerr\fi}
3694 \def\harfi#1{\expandafter\@harfi\csname c@#1\endcsname}
3695 \let\harfinumeral\@harfi
3696 \newcommand{\adadi}[1]{%
3697 \expandafter\@adadi\csname c@#1\endcsname%
3698 }
3699 \newcommand{\@adadi}[1]{%
3700 \xepersian@numberstring{#1}\xepersian@yekanii{ }{ }%
3701 }
3702 \let\adadinumeral\@adadi%
3703 \def\xepersian@numberoutofrange#1#2{%
3704 \PackageError{xepersian}{The number `#1' is too large %
3705 to be formatted using xepersian}{The largest possible %
3706 number is 999,999,999.}%
3707 }
3708 \def\xepersian@numberstring#1#2#3#4{%
3709 \ifnum\number#1<\@ne%
3710 #3%
3711 \else\ifnum\number#1<1000000000 %
3712 \expandafter\xepersian@adadi\expandafter{\number#1}#2%
3713 \else%
3714 \xepersian@numberoutofrange{#1}{#4}%
3715 \fi\fi%
3716 }
3717 \def\xepersian@adadi#1#2{%
3718 \expandafter\xepersian@@adadi%
3719 \ifcase%
3720 \ifnum#1<10 1%
3721 \else\ifnum#1<100 2%
3722 \else\ifnum#1<\@m 3%
3723 \else\ifnum#1<\@M 4%
3724 \else\ifnum#1<100000 5%
3725 \else\ifnum#1<1000000 6%
3726 \else\ifnum#1<10000000 7%
3727 \else\ifnum#1<100000000 8%
3728 \else9%
3729 \fi\fi\fi\fi\fi\fi\fi\fi\fi %
3730 \or00000000#1% case 1: Add 8 leading zeros
3731 \or0000000#1% case 2: Add 7 leading zeros
3732 \or000000#1% case 3: Add 6 leading zeros
3733 \or00000#1% case 4: Add 5 leading zeros
3734 \or0000#1% case 5: Add 4 leading zeros
3735 \or000#1% case 6: Add 3 leading zeros
3736 \or00#1% case 7: Add 2 leading zeros
3737 \or0#1% case 8: Add 1 leading zero
3738 \or#1% case 9: Add no leading zeros
3739 \or%
3740 \@nil#2%
3741 \fi%

```



```

3742 }
3743 \def\xepersian@@adadi#1#2#3#4#5#6#7\or#8\@nil#9{%
3744 \ifnum#1#2#3>\z@
3745 \xepersian@milyoongan#1#2#3%
3746 \ifnum#7>\z@\ifnum#4#5#6>\z@\ \else\ \fi\else\ifnum#4#5#6>\z@\ \fi\fi%
3747 \fi%
3748 \ifnum#4#5#6>\z@%
3749 \xepersian@sadgan#4#5#6{#1#2#3}{#4#5}\xepersian@yekani%
3750 \ifnum#4#5#6>\@ne\fi%
3751 %
3752 \ifnum#7>\z@\ \fi%
3753 \fi%
3754 \xepersian@sadgan#7{#4#5#6}1#9%
3755 }
3756 \def\xepersian@milyoongan#1#2#3{%
3757 \ifnum#1#2#3=\@ne%
3758 \xepersian@sadgan#1#2#301\xepersian@yekanii%
3759 %
3760 %
3761 \else%
3762 \xepersian@sadgan#1#2#301\xepersian@yekanii%
3763 %
3764 %
3765 \fi%
3766 }
3767 \def\xepersian@sadgan#1#2#3#4#5#6{%
3768 \ifnum#1>\z@%
3769 \ifnum#4#1>\@ne\xepersian@yekaniv#1\fi%
3770 %
3771 \ifnum#2#3>\z@\ \fi%
3772 \fi%
3773 \ifnum#2#3<20%
3774 \ifnum#5#2#3>\@ne#6{#2#3}\fi%
3775 \else%
3776 \xepersian@dahgan#2%
3777 \ifnum#3>\z@\ \xepersian@yekani#3\fi%
3778 #60%
3779 \fi%
3780 }
3781 \def\xepersian@yekani#1{%
3782 \ifcase#1\@empty\or or\ or\ or\ or\ or\ %
3783 \or or\ or\ or\ or\ or\ or\ %
3784 \or or\ or\ or\ %
3785 \or or\ %fi\
3786 }
3787 \def\xepersian@yekanii#1{%
3788 \ifcase#1\@empty\or %else\xepersian@yekani{#1}\fi\
3789 }
3790 \def\xepersian@yekanii#1{%
3791 \ifcase#1\@empty\or %else\xepersian@yekani{#1}\fi\
3792 }
3793 \def\xepersian@yekaniv#1{%
3794 \ifcase#1\@empty\or or\ or\ or\ or\ %
3795 \or or\ or\ %fi\

```



```

3796 }
3797 \def\xepersian@dahgan#1{%
3798 \ifcase#1\or\or or\ or\ %
3799 \or or\ or\ or\ %
3800 \or %fi\
3801 }
3802 \newcommand{\tartibi}[1]{%
3803 \expandafter\@tartibi\csname c@#1\endcsname%
3804 }
3805 \newcommand{\@tartibi}[1]{%
3806 \xepersian@numberstring@tartibi{#1}\xepersian@tartibi{ }{ }%
3807 }
3808 \let\tartibinumeral\@tartibi%
3809 \def\xepersian@numberstring@tartibi#1#2#3#4{%
3810 \ifnum\number#1<\@ne%
3811 #3%
3812 \else\ifnum\number#1<1000000000 %
3813 \expandafter\xepersian@adadi@tartibi\expandafter{\number#1}#2%
3814 \else%
3815 \xepersian@numberoutofrange{#1}{#4}%
3816 \fi\fi%
3817 }
3818 \def\xepersian@adadi@tartibi#1#2{%
3819 \expandafter\xepersian@@adadi@tartibi%
3820 \ifcase%
3821 \ifnum#1<10 1%
3822 \else\ifnum#1<100 2%
3823 \else\ifnum#1<\@m 3%
3824 \else\ifnum#1<\@M 4%
3825 \else\ifnum#1<100000 5%
3826 \else\ifnum#1<1000000 6%
3827 \else\ifnum#1<10000000 7%
3828 \else\ifnum#1<100000000 8%
3829 \else9%
3830 \fi\fi\fi\fi\fi\fi\fi\fi %
3831 \or00000000#1% case 1: Add 8 leading zeros
3832 \or0000000#1% case 2: Add 7 leading zeros
3833 \or000000#1% case 3: Add 6 leading zeros
3834 \or00000#1% case 4: Add 5 leading zeros
3835 \or0000#1% case 5: Add 4 leading zeros
3836 \or000#1% case 6: Add 3 leading zeros
3837 \or00#1% case 7: Add 2 leading zeros
3838 \or0#1% case 8: Add 1 leading zero
3839 \or#1% case 9: Add no leading zeros
3840 \or%
3841 \@nil#2%
3842 \fi%
3843 }
3844 \def\xepersian@@adadi@tartibi#1#2#3#4#5#6#7\or#8\@nil#9{%
3845 \ifnum#1#2#3>\z@
3846 \xepersian@milyoongan@tartibi#1#2#3%
3847 \ifnum#7>\z@\ifnum#4#5#6>\z@\ \else\ \fi\else\ifnum#4#5#6>\z@\ \fi\fi%
3848 \fi%
3849 \ifnum#4#5#6>\z@%

```



```

3850 \xepersian@sadgan#4#5#6{#1#2#3}{#4#5}\xepersian@yekani%
3851 \ifnum#4#5#6>\@ne \fi%
3852 %
3853 \ifnum#7>\z@ \fi%
3854 \fi%
3855 \xepersian@sadgan@tartibi#7{#4#5#6}1#9%
3856 }
3857 \def\xepersian@milyoongan@tartibi#1#2#3{%
3858 \ifnum#1#2#3=\@ne%
3859 \xepersian@sadgan@tartibi#1#2#301\xepersian@yekanii%
3860 %
3861 %
3862 \else%
3863 \xepersian@sadgan#1#2#301\xepersian@yekanii%
3864 %
3865 %
3866 \fi%
3867 }
3868 \def\xepersian@sadgan@tartibi#1#2#3#4#5#6{%
3869 \ifnum#1>\z@%
3870 \ifnum#4#1>\@ne\xepersian@yekaniv#1\fi%
3871 %
3872 \ifnum#2#3>\z@ \fi%
3873 \fi%
3874 \ifnum#2#3<20%
3875 \ifnum#5#2#3>\@ne\ifnum#1#2#3#4#5=10001 %else#6{#2#3}\fi\fi
3876 \else%
3877 \ifnum#2#3=30%
3878 \xepersian@dahgan@tartibi#2%
3879 \else%
3880 \xepersian@dahgan#2%
3881 \fi%
3882 \ifnum#3>\z@ \xepersian@yekanv#3\fi%
3883 #60%
3884 \fi%
3885 }
3886 \def\xepersian@dahgan@tartibi#1{%
3887 \ifcase#1\or\or or\ or\ %
3888 \or or\ or\ or\ %
3889 \or %fi\
3890 }
3891 \def\xepersian@tartibi#1{%
3892 \ifcase#1\or or\ or\ or\ %
3893 \or or\ or\ or\ or\ %
3894 \or or\ or\ or\ %
3895 \or or\ or\ %
3896 \or or\ or\ %fi\
3897 }
3898 \def\xepersian@yekanv#1{%
3899 \ifcase#1\@empty\or or\ or\ or\ or\ or\ %
3900 \or or\ or\ or\ or\ or\ or\ %
3901 \or or\ or\ or\ %
3902 \or or\ %fi\
3903 }

```



```

3904 \providecommand*\xpg@warning}[1]{%
3905   \PackageWarning{XePersian}%
3906     {#1}}
3907 \if@bidi@csundef{@abjad}{%
3908 \def\@abjad#1{%
3909 \ifnum#1>1999 \xpg@warning{Illegal value (#1) for abjad numeral} {#1}
3910 \else
3911   \ifnum#1<\z@\space\xpg@warning{Illegal value (#1) for abjad numeral}%
3912   \else
3913     \ifnum#1<10\expandafter\abj@num@i\number#1%
3914     \else
3915       \ifnum#1<100\expandafter\abj@num@ii\number#1%
3916       \else
3917         \ifnum#1<\m\expandafter\abj@num@iii\number#1%
3918         \else
3919           \ifnum#1<\M\expandafter\abj@num@iv\number#1%since #1<2000, we must have 1000
3920           \fi
3921         \fi
3922       \fi
3923     \fi
3924   \fi
3925 \fi
3926 }
3927 \def\abjad#1{\expandafter\@abjad\csname c@#1\endcsname}
3928 \let\abjadnumeral\@abjad
3929 \def\abjad@zero{}
3930 \def\abj@num@i#1{%
3931   \ifcase#1\or or\ or\ or\ %
3932     \or or\ or\ or\ or\ fi\
3933   \ifnum#1=\z@\abjad@zero\fi}
3934 \def\abj@num@ii#1{%
3935   \ifcase#1\or or\ or\ or\ or\ %
3936     \or or\ or\ or\ fi\
3937   \ifnum#1=\z@\fi\abj@num@i}
3938 \def\abj@num@iii#1{%
3939   \ifcase#1\or or\ or\ or\ or\ %
3940     \or or\ or\ or\ fi\
3941   \ifnum#1=\z@\fi\abj@num@ii}
3942 \def\abj@num@iv#1{%
3943   \ifcase#1\or fi\
3944   \ifnum#1=\z@\fi\abj@num@iii}
3945 }{}
3946 \let\@latinalph\@alph%
3947 \let\@latinAlph\@Alph%
3948 \def\LatinAlphs{%
3949   \let\@alph\@latinalph%
3950   \let\@Alph\@latinAlph%
3951 }
3952 \def\thempfootnote{\itshape\@latinalph@c@mpfootnote}
3953 \renewcommand*\@bidi@thebibliography@font@hook{%
3954 \if@LTRbibitems
3955   \resetlatinfont
3956 \fi}
3957 \bidi@AfterEndPreamble{%

```



```

3958 \if@bidi@csundef{persianfont}{%
3959 \PackageError{xepersian}{You have not specified any font\MessageBreak
3960 for the main Persian text}{Use \settextfont' to load a font.}%
3961 }{}
3962 \ifdefinitionfileloaded{loadingorder-xetex-bidi}{\input{loadingorder-xepersian.def}}{}
3963 \ifdefinitionfileloaded{footnote-xetex-bidi}{\input{footnote-xepersian.def}}{}
3964 \ifpackageloaded{appendix}{\input{appendix-xepersian.def}}{}
3965 \ifpackageloaded{listings}{\input{listings-xepersian.def}}{}
3966 \ifpackageloaded{algorithmic}{\input{algorithmic-xepersian.def}}{}
3967 \ifpackageloaded{algorithm}{\input{algorithm-xepersian.def}}{}
3968 \ifpackageloaded{backref}{\input{backref-xepersian.def}}{}
3969 \ifpackageloaded{fancyref}{\input{fancyref-xepersian.def}}{}
3970 \ifpackageloaded{bidituftesidenote}{\input{bidituftesidenote-xepersian.def}}{}
3971 \ifpackageloaded{breqn}{\input{breqn-xepersian.def}}{}
3972 \ifpackageloaded{enumerate}{\input{enumerate-xepersian.def}}{}
3973 \ifpackageloaded{enumitem}{\input{enumitem-xepersian.def}}{}
3974 \ifpackageloaded{framed}{\input{framed-xepersian.def}}{}
3975 \ifpackageloaded{glossaries}{\input{glossaries-xepersian.def}}{}
3976 \ifpackageloaded{hyperref}{\input{hyperref-xepersian.def}}{}
3977 \ifpackageloaded{minitoc}{\input{minitoc-xepersian.def}}{}
3978 \ifpackageloaded{natbib}{\input{natbib-xepersian.def}}{}
3979 \ifpackageloaded{soul}{\input{soul-xepersian.def}}{}
3980 \ifpackageloaded{tkz-linknodes}{\input{tkz-linknodes-xepersian.def}}{}
3981 \ifpackageloaded{tocloft}{\@ifclassloaded{memoir}{\input{tocloft-xepersian.def}}{}}{}
3982 \ifpackageloaded{url}{\input{url-xepersian.def}}{}
3983 \ifpackageloaded{varioref}{\input{varioref-xepersian.def}}{}
3984 \ifclassloaded{article}{\input{article-xepersian.def}}{}
3985 \ifclassloaded{extarticle}{\input{extarticle-xepersian.def}}{}
3986 \ifclassloaded{artikel1}{\input{artikel1-xepersian.def}}{}
3987 \ifclassloaded{artikel2}{\input{artikel2-xepersian.def}}{}
3988 \ifclassloaded{artikel3}{\input{artikel3-xepersian.def}}{}
3989 \ifclassloaded{amsart}{\input{amsart-xepersian.def}}{}
3990 \ifclassloaded{bidimoderncv}{\input{bidimoderncv-xepersian.def}}{}
3991 \ifclassloaded{report}{\input{report-xepersian.def}}{}
3992 \ifclassloaded{extreport}{\input{extreport-xepersian.def}}{}
3993 \ifclassloaded{rapport1}{\input{rapport1-xepersian.def}}{}
3994 \ifclassloaded{rapport3}{\input{rapport3-xepersian.def}}{}
3995 \ifclassloaded{scrartcl}{\input{scrartcl-xepersian.def}}{}
3996 \ifclassloaded{scrbook}{\input{scrbook-xepersian.def}}{}
3997 \ifclassloaded{scrreprt}{\input{scrreprt-xepersian.def}}{}
3998 \ifclassloaded{amsbook}{\input{amsbook-xepersian.def}}{}
3999 \ifclassloaded{boek3}{\input{boek3-xepersian.def}}{}
4000 \ifclassloaded{boek}{\input{boek-xepersian.def}}{}
4001 \ifclassloaded{bookest}{\input{bookest-xepersian.def}}{}
4002 \ifclassloaded{extbook}{\input{extbook-xepersian.def}}{}
4003 \ifclassloaded{book}{\input{book-xepersian.def}}{}
4004 \ifclassloaded{refrep}{\input{refrep-xepersian.def}}{}
4005 \ifclassloaded{memoir}{\input{memoir-xepersian.def}}{}
4006 \ifclassloaded{imsproc}{\input{imsproc-xepersian.def}}{}
4007
4008 \def\xepersian@fontsize@branch#1{%
4009   \@tempcnta\z@
4010   \for\xepersian@tmp:=#1\do{%
4011     \KV@sp@def\xepersian@frag{\xepersian@tmp}%

```




```

4012 \ifcase\@tempcnta\relax% cnta == 0
4013 \edef\xepersian@value{\xepersian@frag}%
4014 \setfontsize{\xepersian@frag}%
4015 \or% cnta == 1
4016 \setfontsize[\xepersian@frag]{\xepersian@value}%
4017 \else\fi
4018 \advance\@tempcnta\@ne}%
4019 }
4020
4021
4022 \define@choicekey{xepersian.sty}{mathdigits}[\xepersian@tempa\xepersian@tempb]{automatic,default}
4023 \ifcase\xepersian@tempb\relax
4024 \AutoMathDigits
4025 \or
4026 \DefaultMathDigits
4027 \or
4028 \PersianMathDigits
4029 \fi}
4030 \define@choicekey{xepersian.sty}{inlinemathdigits}[\xepersian@tempa\xepersian@tempb]{automatic,default}
4031 \ifcase\xepersian@tempb\relax
4032 \AutoInlineMathDigits
4033 \or
4034 \DefaultInlineMathDigits
4035 \or
4036 \PersianInlineMathDigits
4037 \fi}
4038 \define@choicekey{xepersian.sty}{displaymathdigits}[\xepersian@tempa\xepersian@tempb]{automatic,default}
4039 \ifcase\xepersian@tempb\relax
4040 \AutoDisplayMathDigits
4041 \or
4042 \DefaultDisplayMathDigits
4043 \or
4044 \PersianDisplayMathDigits
4045 \fi}
4046 \define@choicekey{xepersian.sty}{RTLdocument}[\xepersian@tempa\xepersian@tempb]{on,off}[on]{\off}
4047 \ifcase\xepersian@tempb\relax
4048 \@RTLtrue
4049 \or
4050 \@RTLfalse
4051 \fi}
4052
4053 \define@choicekey{xepersian.sty}{documentdirection}[\xepersian@tempa\xepersian@tempb]{righttoleft,default}
4054 \ifcase\xepersian@tempb\relax
4055 \@RTLtrue
4056 \or
4057 \@RTLfalse
4058 \fi}
4059
4060
4061 \define@choicekey{xepersian.sty}{tabledirection}[\xepersian@tempa\xepersian@tempb]{righttoleft,default}
4062 \ifcase\xepersian@tempb\relax
4063 \@RTLtabtrue
4064 \or
4065 \@RTLtabfalse

```



```

4066 \fi}
4067
4068 \define@choicekey{xepersian.sty}{script}[\xepersian@tempa\xepersian@tempb]{latin,nonlatin}[1a]
4069 \ifcase\xepersian@tempb\relax
4070 \nonlatinfalse
4071 \or
4072 \nonlatintrue
4073 \fi}
4074
4075 \define@choicekey{xepersian.sty}{rldocument}[\xepersian@tempa\xepersian@tempb]{on,off}[on]{%
4076 \ifcase\xepersian@tempb\relax
4077 \RTLtrue
4078 \or
4079 \RTLfalse
4080 \fi}
4081 \define@choicekey{xepersian.sty}{footnoterule}[\xepersian@tempa\xepersian@tempb]{automatic,1
4082 \ifcase\xepersian@tempb\relax
4083 \autofootnoterule
4084 \or
4085 \leftfootnoterule
4086 \or
4087 \rightfootnoterule
4088 \or
4089 \SplitFootnoteRule
4090 \or
4091 \textwidthfootnoterule
4092 \fi}
4093 \define@choicekey{xepersian.sty}{footnotedirection}[\xepersian@tempa\xepersian@tempb]{rightto
4094 \ifcase\xepersian@tempb\relax
4095 \RTL@footnotetrue
4096 \or
4097 \RTL@footnotefalse
4098 \fi}
4099 \define@choicekey{xepersian.sty}{debugfootnotedirection}[\xepersian@tempa\xepersian@tempb]{on
4100 \ifcase\xepersian@tempb\relax
4101 \footdir@debugtrue
4102 \or
4103 \footdir@debugfalse
4104 \fi}
4105 \define@choicekey{xepersian.sty}{Kashida}[\xepersian@tempa\xepersian@tempb]{on,off}[on]{%
4106 \ifcase\xepersian@tempb\relax
4107 \input{kashida-xepersian.def}
4108 \fi}
4109 \define@choicekey{xepersian.sty}{localise}[\xepersian@tempa\xepersian@tempb]{on,off}[on]{%
4110 \ifcase\xepersian@tempb\relax
4111 \input{localise-xepersian.def}
4112 \fi}
4113 \define@choicekey{xepersian.sty}{extrafootnotefeatures}[\xepersian@tempa\xepersian@tempb]{on,
4114 \ifcase\xepersian@tempb\relax
4115 \@extrafootnotefeaturestrue
4116 \or
4117 \@extrafootnotefeaturesfalse
4118 \fi}
4119 \define@choicekey{xepersian.sty}{quickindex}[\xepersian@tempa\xepersian@tempb]{on,off}[on]{%

```



```

4120 \ifcase\xepersian@tempb\relax
4121   \PackageWarning{xepersian}{Obsolete option}%
4122   \ifwritexviii%
4123     \@ifclassloaded{memoir}{\PackageError{xepersian}{This feature does not yet work with t
4124     \renewcommand\printindex{\newpage%
4125     \immediate\closeout\@indexfile
4126     \immediate\write18{xindy -L persian-variant2 -C utf8 -M texindy -M page-ranges \jobname
4127     \@input@{\jobname.ind}}}%
4128   \else
4129     \PackageError{xepersian}{"shell escape" (or "write18") is not enabled. You need to run
4130   \fi
4131 \fi}
4132 \define@choicekey{xepersian.sty}{quickindex-variant1}[\xepersian@tempa\xepersian@tempb]{on,of
4133 \ifcase\xepersian@tempb\relax
4134   \ifwritexviii%
4135     \@ifclassloaded{memoir}{\PackageError{xepersian}{This feature does not yet work with t
4136     \renewcommand\printindex{\newpage%
4137     \immediate\closeout\@indexfile
4138     \immediate\write18{xindy -L persian-variant1 -C utf8 -M texindy -M page-ranges \jobna
4139     \@input@{\jobname.ind}}}%
4140   \else
4141     \PackageError{xepersian}{"shell escape" (or "write18") is not enabled. You need to ru
4142   \fi
4143 \fi}
4144 \define@choicekey{xepersian.sty}{quickindex-variant2}[\xepersian@tempa\xepersian@tempb]{on,of
4145 \ifcase\xepersian@tempb\relax
4146   \ifwritexviii%
4147     \@ifclassloaded{memoir}{\PackageError{xepersian}{This feature does not yet work with t
4148     \renewcommand\printindex{\newpage%
4149     \immediate\closeout\@indexfile
4150     \immediate\write18{xindy -L persian-variant2 -C utf8 -M texindy -M page-ranges \jobna
4151     \@input@{\jobname.ind}}}%
4152   \else
4153     \PackageError{xepersian}{"shell escape" (or "write18") is not enabled. You need to run
4154   \fi
4155 \fi}
4156 \define@choicekey{xepersian.sty}{abjadvariant}[\xepersian@tempa\xepersian@tempb]{one,two}{%
4157   \ifcase\xepersian@tempb\relax
4158     \def\PersianAlphs{%
4159       \let\@alph\@abjad%
4160       \let\@Alph\@abjad%
4161     }
4162   \or
4163     \def\PersianAlphs{%
4164       \let\@alph\@Abjad%
4165       \let\@Alph\@Abjad%
4166     }
4167   \fi}
4168 \DeclareOptionX{defaultlatinfontfeatures}{%
4169 \defaultfontfeatures
4170   [\latinfont]
4171   {#1}
4172 }
4173

```



```

4174 \DeclareOptionX{mathfontsize@scale}{%
4175   \def\xepersian@@math@fontsize@scale{#1}%
4176 }
4177
4178 \DeclareOptionX{fontsize@scale}{%
4179   \def\xepersian@@fontsize@scale{#1}%
4180 }
4181
4182 \DeclareOptionX{fontsize}{%
4183   \xepersian@@fontsize@branch{#1}%
4184 }
4185
4186 \DeclareOptionX{latinfontsize@scale}{%
4187   \def\xepersian@@latin@fontsize@scale{#1}%
4188 }
4189
4190 \DeclareOptionX{baselineskip@scale}{%
4191   \def\xepersian@@baselineskip@scale{#1}%
4192 }
4193
4194 \DeclareOptionX{latinbaselineskip@scale}{%
4195   \def\xepersian@@latin@baselineskip@scale{#1}%
4196 }
4197
4198 \define@choicekey{xepersian.sty}{logo}[\xepersian@tempa\xepersian@tempb]{on,off}[on]{%
4199   \ifcase\xepersian@tempb\relax
4200     \AtBeginDocument{\@bidi@inslogo@}%
4201   \or
4202     \let\@bidi@logo@\@empty \let\@bidi@inslogo@\@empty
4203   \fi}
4204
4205 \define@choicekey{xepersian.sty}{pdfinfo}[\xepersian@tempa\xepersian@tempb]{on,off}[on]{%
4206   \ifcase\xepersian@tempb\relax
4207     \@bidi@pdfm@marktrue
4208   \or
4209     \@bidi@pdfm@markfalse
4210   \fi}
4211
4212 \define@choicekey{xepersian.sty}{computeautoilg}[\xepersian@tempa\xepersian@tempb]{on,off}[on]{%
4213   \ifcase\xepersian@tempb\relax
4214     \@xepersian@@computeautoilgtrue
4215   \or
4216     \@xepersian@@computeautoilgfalse
4217   \fi}
4218
4219 \define@choicekey{xepersian.sty}{DetectColumn}[\xepersian@tempa\xepersian@tempb]{on,off}[on]{%
4220   \ifcase\xepersian@tempb\relax
4221     \def\bidi@firstcolumn@status@write{%
4222       \protected@write\@auxout{%
4223         {\string\bidi@column@status
4224          {1}}}%
4225     \def\bidi@lastcolumn@status@write{%
4226       \protected@write\@auxout{%
4227         {\string\bidi@column@status{2}}}%

```



```

4228 \or
4229 \let\bidifirstcolumn@status@write\relax
4230 \let\bidilastcolumn@status@write\relax
4231 \fi}
4232
4233
4234 \define@choicekey{xepersian.sty}{debugtextdigitfont}[\xepersian@tempa\xepersian@tempb]{on,off}
4235 \ifcase\xepersian@tempb\relax
4236 \bidi@AtEndPreamble{%
4237 \bidi@patchcmd{\xepersian@@start@switch@textdigitfont}%
4238 {\xepersian@textdigitfont}{\addfontfeature{Color=C71585}}{}{}%
4239 }
4240 \or
4241 \relax
4242 \fi}
4243
4244 \define@choicekey{xepersian.sty}{perpagefootnote}[\xepersian@tempa\xepersian@tempb]{on,off}
4245 \ifcase\xepersian@tempb\relax
4246 \@bidi@perpage@footnotetrue
4247 \or
4248 \@bidi@perpage@footnotefalse
4249 \fi}
4250
4251 \ExecuteOptionsX{%
4252 documentdirection=righttoleft,
4253 tabledirection=righttoleft,
4254 script=nonlatin,
4255 footnotedirection=righttoleft,
4256 footnoterule=automatic,
4257 abjadvariant=two,
4258 DetectColumn=off,
4259 fontsizescale=\@ne,
4260 latinfontsizescale=\@ne,
4261 mathfontsizescale=\@ne,
4262 baselineskip scale=\@ne,
4263 latinbaselineskip scale=\@ne
4264 }
4265
4266 \ProcessOptionsX
4267
4268 \if@extrafootnote features
4269 \input{extrafootnote features-xetex-bidi.def}%
4270 \input{extrafootnote features-xepersian.def}%
4271 \fi
4272
4273 \bidi@patchcmd{\set@font size}{\@tempdimb#2pt}{%
4274 \@tempdimb\xepersian@@font size@scale\dimexpr#2pt\relax
4275 }{}{}
4276
4277 \bidi@patchcmd{\set@font size}{\@tempskipa#3pt}{%
4278 \@tempskipa\xepersian@@baseline skip@scale\dimexpr#3pt\relax
4279 }{}{}
4280
4281

```



```

4282 \newcommand*{\xepersian@@update@math@fontsize}[1]{%
4283 \strip@pt\dimexpr\xepersian@@math@fontsize@scale
4284 \dimexpr 1pt * \dimexpr #1 pt\relax /
4285 \dimexpr \xepersian@@fontsize@scale pt\relax
4286 \relax\relax
4287 }
4288
4289 \bidi@patchcmd{\getanddefine@fonts}{%
4290 \xdef\font@name{\csname \string#2/\tf@size\endcsname}%
4291 }{%
4292 \xdef\font@name{\csname \string#2/\xepersian@@update@math@fontsize\tf@size\endcsname}%
4293 }{}{}
4294
4295 \bidi@patchcmd{\getanddefine@fonts}{%
4296 \xdef\font@name{\csname \string#2/\sf@size\endcsname}%
4297 }{%
4298 \xdef\font@name{\csname \string#2/\xepersian@@update@math@fontsize\sff@size\endcsname}%
4299 }{}{}
4300
4301 \bidi@patchcmd{\getanddefine@fonts}{%
4302 \xdef\font@name{\csname \string#2/\ssf@size\endcsname}%
4303 }{%
4304 \xdef\font@name{\csname \string#2/\xepersian@@update@math@fontsize\ssf@size\endcsname}%
4305 }{}{}
4306
4307
4308 \if\xepersian@@computeautoilg
4309 \bidi@patchcmd{\set@fontsize}{%
4310 \baselineskip\f@baselineskip\relax
4311 }{%
4312 \baselineskip\f@baselineskip\relax
4313 \xepersian@computeautoilg
4314 \ifdim\xepersian@strutilg>\baselineskip
4315 \PackageInfo{xepersian}{character with height+depth greater than current baselineskip found}
4316 \PackageInfo{xepersian}{baselineskip changed to that height+depth!}%
4317 \baselineskip\xepersian@strutilg
4318 \ifdim\footnotesep=.7\baselineskip
4319 \else
4320 \footnotesep=.7\baselineskip
4321 \fi
4322 \fi
4323 }{}{}
4324 \fi
4325
4326 \setlatintextfont[Path,BoldFont={lmroman10-bold},BoldItalicFont={lmroman10-bolditalic},ItalicFont={lmroman10-italic}]
4327 \PersianAlphs

```

60 File xepersian-magazine.cls

```

4328 \NeedsTeXFormat{LaTeX2e}
4329 \ProvidesClass{xepersian-magazine}[2010/07/25 v0.2 Typesetting Persian magazines in XeLaTeX]
4330 \RequirePackage{ifthen}
4331 \newlength{\xepersian@imgsize}
4332 \newlength{\xepersian@coltitsize}

```



```

4333 \newlength{\xepersian@pageneed}
4334 \newlength{\xepersian@pageleft}
4335 \newlength{\xepersian@indexwidth}
4336 \newcommand{\xepersian@ncolumns}{0}
4337 \newlength{\columnlines}
4338 \setlength{\columnlines}{0 pt} % no lines by default
4339 \newboolean{xepersian@hyphenatedtitles}
4340 \setboolean{xepersian@hyphenatedtitles}{true}
4341 \newboolean{xepersian@ninepoints}
4342 \setboolean{xepersian@ninepoints}{false}
4343 \newboolean{xepersian@showgrid}
4344 \setboolean{xepersian@showgrid}{false}
4345 \newboolean{xepersian@a3paper}
4346 \setboolean{xepersian@a3paper}{false}
4347 \newboolean{xepersian@insidefrontpage}
4348 \setboolean{xepersian@insidefrontpage}{false}
4349 \newboolean{xepersian@insideweather}
4350 \setboolean{xepersian@insideweather}{false}
4351 \newboolean{xepersian@insideindex}
4352 \setboolean{xepersian@insideindex}{false}
4353 \newcount\xepersian@gridrows
4354 \newcount\xepersian@gridcolumns
4355 \xepersian@gridrows=40
4356 \xepersian@gridcolumns=50
4357 \newcount\minraggedcols
4358 \minraggedcols=5
4359 \DeclareOption{10pt}{\PassOptionsToClass{10pt}{article}}
4360 \DeclareOption{11pt}{\PassOptionsToClass{11pt}{article}}
4361 \DeclareOption{12pt}{\PassOptionsToClass{12pt}{article}}
4362 \DeclareOption{twocolumn}%
4363 {\ClassWarning{xepersian-magazine}{Option 'twocolumn' not available for xepersian-magazine.}}
4364 \DeclareOption{notitlepage}%
4365 {\ClassWarning{xepersian-magazine}{Option 'notitlepage' not available for xepersian-magazine.}}
4366 \DeclareOption{twoside}%
4367 {\ClassWarning{xepersian-magazine}{Option 'twoside' not available for xepersian-magazine.}}
4368 \DeclareOption{9pt}{\setboolean{xepersian@ninepoints}{true}}
4369 \DeclareOption{hyphenatedtitles}{\setboolean{xepersian@hyphenatedtitles}{false}}
4370 \DeclareOption{columnlines}{\setlength{\columnlines}{0.1 pt}}
4371 \DeclareOption{showgrid}{\setboolean{xepersian@showgrid}{true}}
4372 \DeclareOption{a3paper}{\setboolean{xepersian@a3paper}{true}}
4373 \ProcessOptions\relax
4374 \LoadClass[10pt, onecolumn, titlepage, a4paper]{article}
4375 \RequirePackage{ifxetex}
4376 \RequirePackage{multido}
4377 \RequirePackage{datetime}
4378 \RequirePackage{multicol}
4379 \RequirePackage{fancyhdr}
4380 \RequirePackage{fancybox}
4381 \ifthenelse{\boolean{xepersian@a3paper}}{\%
4382 \RequirePackage[a3paper, headsep=0.5cm, vmargin={2cm, 2cm}, hmargin={1.5cm, 1.5cm}]{geometry}
4383 }{
4384 \RequirePackage[headsep=0.5cm, vmargin={2cm, 2cm}, hmargin={1.5cm, 1.5cm}]{geometry}
4385 }
4386 \RequirePackage[absolute]{textpos} % absolute positioning

```



```

4387 \RequirePackage{hyphenat} % when hyphenate
4388 \RequirePackage{lastpage} % to know the last page number
4389 \RequirePackage{setspace} % set space between lines
4390 \RequirePackage{ragged2e}
4391 \newcommand{\raggedFormat}{\RaggedLeft}
4392 \AtEndOfClass{\xepersianInit}
4393 \ifthenelse{\boolean{xepersian@showgrid}}{%
4394 \AtBeginDocument{
4395 \grid[show]{\xepersian@gridrows}{\xepersian@gridcolumns}}
4396 \advance\minraggedcols by -1
4397 }{%
4398 \AtBeginDocument{
4399 \grid[]{\xepersian@gridrows}{\xepersian@gridcolumns}}
4400 \advance\minraggedcols by -1
4401 }
4402 \ifthenelse{\boolean{xepersian@ninepoints}}{
4403 \renewcommand{\normalsize}{%
4404 \setfontsize{\normalsize}{9pt}{10pt}%
4405 \setlength{\abovedisplayskip}{5pt plus 1pt minus .5pt}%
4406 \setlength{\belowdisplayskip}{\abovedisplayskip}%
4407 \setlength{\abovedisplayshortskip}{3pt plus 1pt minus 2pt}%
4408 \setlength{\belowdisplayshortskip}{\abovedisplayshortskip}}
4409
4410 \renewcommand{\tiny}{\setfontsize{\tiny}{5pt}{6pt}}
4411
4412 \renewcommand{\scriptsize}{\setfontsize{\scriptsize}{7pt}{8pt}}
4413
4414 \renewcommand{\small}{%
4415 \setfontsize{\small}{8pt}{9pt}%
4416 \setlength{\abovedisplayskip}{4pt plus 1pt minus 1pt}%
4417 \setlength{\belowdisplayskip}{\abovedisplayskip}%
4418 \setlength{\abovedisplayshortskip}{2pt plus 1pt}%
4419 \setlength{\belowdisplayshortskip}{\abovedisplayshortskip}}
4420
4421 \renewcommand{\footnotesize}{%
4422 \setfontsize{\footnotesize}{8pt}{9pt}%
4423 \setlength{\abovedisplayskip}{4pt plus 1pt minus .5pt}%
4424 \setlength{\belowdisplayskip}{\abovedisplayskip}%
4425 \setlength{\abovedisplayshortskip}{2pt plus 1pt}%
4426 \setlength{\belowdisplayshortskip}{\abovedisplayshortskip}}
4427
4428 \renewcommand{\large}{\setfontsize{\large}{11pt}{13pt}}
4429 \renewcommand{\Large}{\setfontsize{\Large}{14pt}{18pt}}
4430 \renewcommand{\LARGE}{\setfontsize{\LARGE}{18pt}{20pt}}
4431 \renewcommand{\huge}{\setfontsize{\huge}{20pt}{25pt}}
4432 \renewcommand{\Huge}{\setfontsize{\Huge}{25pt}{30pt}}
4433 }{}
4434 \def\customwwwTxt#1{\gdef\customwwwTxt{\lr{#1}}}
4435 \newcommand{\xepersian@wwwFormat}{\sf family}
4436 \newcommand{\xepersian@www}{%
4437 \raisebox{-3pt}{\xepersian@wwwFormat\customwwwTxt}}
4438 }
4439 \newcommand{\xepersian@edition}{ {
4440 \newcommand{\editionFormat}{\large\bfseries\texttt}

```




```

4441 \newcommand{\xepersian@editionLogo}{%
4442 \raisebox{-3pt}{%
4443 {\editionFormat\xepersian@edition}%
4444 }%
4445 }
4446 \newcommand{\indexFormat}{\large\bfseries}
4447 \newcommand{\xepersian@indexFrameTitle}[1]
4448 {\begin{flushright}{\indexFormat #1}\end{flushright}}
4449
4450 \newcommand{\indexEntryFormat}{\normalsize}
4451 \newcommand{\xepersian@indexEntry}[1]{\begin{minipage}{13\TPHorizModule}%
4452 {\indexEntryFormat\noindent\ignorespaces{#1}}%
4453 \end{minipage}}
4454 \newcommand{\indexEntrySeparator}{\rule{\xepersian@indexwidth}{.1pt}}
4455 \newcommand{\indexEntryPageTxt}{ }
4456 \newcommand{\indexEntryPageFormat}{\footnotesize}
4457 \newcommand{\xepersian@indexEntryPage}[1]{%
4458 {\indexEntryPageFormat{\indexEntryPageTxt{~#1}}}%
4459 }
4460 \newcommand{\headDateTimeFormat}{}
4461 \newcommand{\xepersian@headDateTime}{%
4462 \headDateTimeFormat\date\hspace{5pt}$\parallel$\hspace{5pt}%
4463 \currenttime %
4464 }
4465 \newcommand{\weatherFormat}{\bfseries}
4466 \newcommand{\xepersian@weather}[1]{%
4467 \noindent{\weatherFormat #1}%
4468 }
4469 \newcommand{\weatherTempFormat}{\small}
4470 \newcommand{\weatherUnits}{\textdegree}{C}
4471 \newcommand{\xepersian@section}[0]{ {
4472 \newcommand{\xepersian@headleft}{%
4473 {\small\bfseries \@custommagazinename} \date
4474 }
4475 \newcommand{\xepersian@headcenter}{%
4476 \xepersian@section{}
4477 }
4478 \newcommand{\xepersian@headright}{%
4479 \small\xepersian@edition%
4480 \hspace*{5pt}\beginL\thepage\ / \pageref{LastPage}\endL
4481 }
4482
4483 \newcommand{\heading}[3]{%
4484 \renewcommand{\xepersian@headleft}{\beginR#1\endR}%
4485 \renewcommand{\xepersian@headcenter}{\beginR#2\endR}%
4486 \renewcommand{\xepersian@headright}{\beginR#3\endR}%
4487 }
4488 \newcommand{\xepersian@footright}{%
4489 {\footnotesize\lr{\copyright\ \@customwwwTxt{}}-- - \lr{\XePersian}}%
4490 }
4491 \newcommand{\xepersian@footcenter}{%
4492 }
4493 \newcommand{\xepersian@footleft}{%
4494 }

```



```

4495
4496 \newcommand{\foot}[3]{%
4497 \renewcommand{\xepersian@footleft}{\beginR#1\endR}%
4498 \renewcommand{\xepersian@footcenter}{\beginR#2\endR}%
4499 \renewcommand{\xepersian@footright}{\beginR#3\endR}%
4500 }
4501 \newcommand{\firstTitleFormat}{\Huge\bfseries\flushright}
4502 \newcommand{\xepersian@firstTitle}[1]{%
4503 {%
4504 \begin{spacing}{2.0}{%
4505 \noindent\ignorespaces
4506 \ifthenelse{\boolean{xepersian@hyphenatedtitles}}{%
4507 {\nohyphens{\firstTitleFormat #1}}%
4508 {\firstTitleFormat #1}}%
4509 }%
4510 \end{spacing}%
4511 }%
4512 }
4513 \newcommand{\firstTextFormat}{%
4514 \newcommand{\xepersian@firstText}[1]{%
4515 {\noindent\ignorespaces\firstTextFormat #1}%
4516 }
4517 \newcommand{\secondTitleFormat}{\LARGE\bfseries}
4518 \newcommand{\xepersian@secondTitle}[1]{%
4519 \begin{spacing}{1.5}{%
4520 \noindent\ignorespaces\flushright
4521 \ifthenelse{\boolean{xepersian@hyphenatedtitles}}{%
4522 {\nohyphens{\secondTitleFormat #1}}%
4523 {\secondTitleFormat #1}}%
4524 }\end{spacing}%
4525 }
4526 \newcommand{\secondSubtitleFormat}{\large}
4527 \newcommand{\xepersian@secondSubtitle}[1]{%
4528 {\noindent\ignorespaces\secondSubtitleFormat #1}%
4529 }
4530 \newcommand{\secondTextFormat}{%
4531 \newcommand{\xepersian@secondText}[1]{%
4532 \begin{multicols}{2}
4533 {\noindent\ignorespaces\secondTextFormat #1}
4534 \end{multicols}
4535 }
4536 \newcommand{\thirdTitleFormat}{\Large\bfseries}
4537 \newcommand{\xepersian@thirdTitle}[1]{%
4538 \begin{spacing}{1.5}{%
4539 \noindent\ignorespaces\flushright
4540 \ifthenelse{\boolean{xepersian@hyphenatedtitles}}{%
4541 {\nohyphens{\thirdTitleFormat #1}}%
4542 {\thirdTitleFormat #1}}%
4543 }\end{spacing}%
4544 }
4545 \newcommand{\thirdSubtitleFormat}{\large}
4546 \newcommand{\xepersian@thirdSubtitle}[1]{%
4547 {\noindent\ignorespaces\thirdSubtitleFormat #1}}
4548 \newcommand{\thirdTextFormat}{%

```



```

4549 \newcommand{\xepersian@thirdText}[1]{\thirdTextFormat #1}}
4550 \newcommand{\pictureCaptionFormat}{\small\bfseries}
4551 \newcommand{\xepersian@pictureCaption}[1]{%
4552 {\noindent\pictureCaptionFormat #1}%
4553 }
4554 \newcommand{\pagesFormat}{\bfseries\footnotesize}
4555 \newcommand{\xepersian@pages}[1]%
4556 {\noindent{\pagesFormat\MakeUppercase{#1}}}
4557 \newcommand{\innerTitleFormat}{\Huge}
4558 \newcommand{\xepersian@innerTitle}[1]{%
4559 \begin{flushright}{%
4560 \noindent
4561 \ifthenelse{\boolean{xepersian@hyphenatedtitles}}{%
4562 {\nohyphens{\innerTitleFormat #1}}%
4563 {\innerTitleFormat #1}}%
4564 }%
4565 \\%
4566 \end{flushright}}%
4567 }
4568 \newcommand{\innerSubtitleFormat}{\large}
4569 \newcommand{\xepersian@innerSubtitle}[1]{\innerSubtitleFormat #1}}
4570 \newcommand{\timestampTxt}{%
4571 \newcommand{\timestampSeparator}{|}%
4572 \newcommand{\timestampFormat}{\small}
4573 \newcommand{\timestamp}[1]{%
4574 {\timestampFormat%
4575 #1~\timestampTxt}%
4576 }~\timestampSeparator}%
4577 }
4578 \newcommand{\innerAuthorFormat}{\footnotesize}
4579 \newcommand{\innerPlaceFormat}{\footnotesize\bfseries}
4580 \newcommand{\innerTextFinalMark}{\rule{0.65em}{0.65em}}
4581 \newcommand{\editorialTitleFormat}{\LARGE\textit}
4582 \newcommand{\xepersian@editorialTitle}[1]{\editorialTitleFormat{#1}}
4583 \newcommand{\editorialAuthorFormat}{\textsc}
4584 \newcommand{\shortarticleTitleFormat}{\LARGE\bfseries}
4585 \newcommand{\xepersian@shortarticleTitle}[1]{\shortarticleTitleFormat #1}}
4586 \newcommand{\shortarticleSubtitleFormat}{\Large}
4587 \newcommand{\xepersian@shortarticleSubtitle}[1]{\shortarticleSubtitleFormat #1}}
4588 \newcommand{\shortarticleItemTitleFormat}{\large\bfseries}
4589 \newcommand{\xepersian@shortarticleItemTitle}[1]{\shortarticleItemTitleFormat #1}}
4590 \renewcommand{\maketitle}{\begin{titlepage}%
4591 \let\footnotesize\small
4592 \let\footnoterule\relax
4593 \let \footnote \thanks
4594 \null\vfil
4595 \vskip 60\p@
4596 \begin{center}%
4597 {\LARGE \@title \par}%
4598 \vskip 1em%
4599 {\LARGE «\xepersian@edition» \par}%
4600 \vskip 3em%
4601 {\large
4602 \lineskip .75em%

```



```

4603     \begin{tabular}[t]{c}%
4604         \@author
4605     \end{tabular}\par}%
4606     \vskip 1.5em%
4607     {\large \@date \par}%
4608 \end{center}\par
4609 \@thanks
4610 \vfil\null
4611 \end{titlepage}%
4612 \setcounter{footnote}{0}%
4613 \global\let\thanks\relax
4614 \global\let\maketitle\relax
4615 \global\let\@thanks\@empty
4616 \global\let\@author\@empty
4617 \global\let\@date\@empty
4618 \global\let\@title\@empty
4619 \global\let\title\relax
4620 \global\let\author\relax
4621 \global\let\date\relax
4622 \global\let\and\relax
4623 }
4624 \newcommand{\xepersian@say}[1]{\typeout{#1}}
4625 \newsavebox{\xepersian@fmbox}
4626 \newenvironment{xepersian@fmpage}[1]
4627     {\begin{lrbox}{\xepersian@fmbox}\begin{minipage}{#1}}
4628     {\end{minipage}\end{lrbox}\fbox{\usebox{\xepersian@fmbox}}}
4629 \newcommand{\image}[2]{
4630     \vspace{5pt}
4631     \setlength{\fboxsep}{1pt}
4632     \addtolength{\xepersian@imgsize}{\columnwidth}
4633     \addtolength{\xepersian@imgsize}{-1\columnsep}
4634     \ifxetex
4635     \setlength{\xepersian@pageneed}{1.5\xepersian@imgsize}
4636     \addtolength{\xepersian@pageneed}{50pt}
4637     \ClassWarning{xepersian-magazine}{%
4638 Image #1 needs: \the\xepersian@pageneed \space %
4639 and there is left: \the\page@free\space%
4640 }
4641 \ifdim \xepersian@pageneed < \page@free
4642
4643 {\centering\fbox{%
4644 \includegraphics[width = \xepersian@imgsize,
4645 height = \xepersian@imgsize,
4646 keepaspectratio ]{#1}}}
4647 \xepersian@pictureCaption{#2}
4648
4649 \vspace{5pt}
4650 \else
4651 \ClassWarning{Image #1 needs more space!%
4652 It was not inserted!}
4653 \fi
4654 \fi
4655 }
4656 \textblockorigin{1cm}{1cm}

```



```

4657 \newdimen\xepersian@dx
4658 \newdimen\xepersian@dy
4659 \newcount\xepersian@cx
4660 \newcount\xepersian@cy
4661 \newcommand{\grid}[3][]{
4662 \xepersian@dx=\textwidth%
4663 \xepersian@dy=\textheight%
4664 \xepersian@cx=#3% %columns
4665 \xepersian@cy=#2% %rows
4666
4667 \count1=#3%
4668 \advance\count1 by 1
4669
4670 \count2=#2%
4671 \advance\count2 by 1
4672
4673 \divide\xepersian@dx by #3
4674 \divide\xepersian@dy by #2
4675
4676 \setlength{\TPHorizModule}{\xepersian@dx}
4677 \setlength{\TPVertModule}{\xepersian@dy}
4678
4679 \ifthenelse{\equal{#1}{show}}{
4680 \multido{\xepersian@nrow=0+1}{\count2}{
4681 \begin{textblock}{\xepersian@cx}(0,\xepersian@nrow)
4682 \rule[0pt]{\textwidth}{.1pt}
4683 \end{textblock}
4684 }
4685
4686 \multido{\xepersian@ncol=0+1}{\count1}{
4687 \begin{textblock}{\xepersian@cy}(\xepersian@ncol,0)
4688 \rule[0pt]{.1pt}{\textheight}
4689 \end{textblock}
4690 }
4691 }{}
4692 }
4693 \newcommand{\xepersianInit}{
4694 \setlength{\headheight}{14pt}
4695 \renewcommand{\headrulewidth}{0.4pt}
4696
4697 \pagestyle{fancy}
4698
4699 \setlength{\columnseprule}{\columnlines}
4700 \setlength{\fboxrule}{0.1 pt}
4701
4702 }
4703
4704 \def\customlogo#1{\gdef\@customlogo{\beginR#1\endR}}
4705 \def\customminilogo#1{\gdef\@customminilogo{\beginR#1\endR}}
4706 \def\custommagazinenamename#1{\gdef\@custommagazinenamename{\beginR#1\endR}}
4707 \newcommand{\logo}[0]{
4708 %% Heading %%
4709 \noindent\hrulefill\hspace{10pt}\xepersian@editionLogo\hspace{5pt}\xepersian@www
4710

```



```

4711 \vspace*{-3pt}
4712
4713 {\Large\bfseries \@customlogo}
4714 \hrulefill
4715 \hspace{10pt}\xepersian@headDateTime
4716
4717 }
4718 \newcommand{\minilogo}[0]{
4719 {\large\bfseries \@customminilogo}
4720
4721 \vspace*{5pt}
4722 }
4723 \newcommand{\mylogo}[1]{
4724 {\beginR#1\endR}
4725
4726 \noindent
4727 \xepersian@editionLogo\hspace{5pt}
4728 \hrulefill
4729 \hspace{5pt}\xepersian@headDateTime
4730 }
4731 \newcommand{\edition}[1]{\renewcommand{\xepersian@edition}{#1}}
4732 \newenvironment{frontpage}[0]
4733 {
4734 \setboolean{xepersian@insidefrontpage}{true}
4735 \thispagestyle{empty}
4736 \logo
4737
4738 }%
4739 {
4740 \thispagestyle{empty}
4741 \clearpage
4742 \newpage
4743 \fancyhead{}
4744 \fancyfoot{}
4745 \fancyhead[R0,LE]{\beginR\xepersian@headright\endR}
4746 \fancyhead[L0,RE]{\beginR\xepersian@headleft\endR}
4747 \fancyhead[C]{\beginR\xepersian@headcenter\endR}
4748 \fancyfoot[R0,LE]{\beginR\xepersian@footright\endR}
4749 \fancyfoot[L0,RE]{\beginR\xepersian@footleft\endR}
4750 \fancyfoot[C]{\beginR\xepersian@footcenter\endR}
4751 \renewcommand{\headrulewidth}{0.4pt}
4752 \setboolean{xepersian@insidefrontpage}{false}
4753
4754 }
4755 \newcommand{\firstarticle}[3]
4756 {
4757 \ifthenelse{\boolean{xepersian@insidefrontpage}}{%
4758 \ifthenelse{\boolean{xepersian@hyphenatedtitles}}{%
4759 \begin{textblock}{24}(22,5)
4760 }
4761 {
4762 \begin{textblock}{28}(22,5)
4763 }
4764 \vspace{-7pt}

```



```

4765 \xepersian@firstTitle{#1}
4766 \end{textblock}
4767 \begin{textblock}{29}(22,10)
4768 \vspace{5pt plus 2pt minus 2pt}
4769
4770 \xepersian@firstText{\timestamp{#3}~#2}
4771
4772 \end{textblock}
4773
4774 \begin{textblock}{50}(0,15)
4775 \rule{50\TPHorizModule}{.3pt}
4776 \end{textblock}
4777 }{%else
4778 \ClassError{xepersian-magazine}{%
4779 \protect\firstarticle\space in a wrong place.\MessageBreak
4780 \protect\firstarticle\space may only appear inside frontpage environment.
4781 }{%
4782 \protect\firstarticle\space may only appear inside frontpage environment.
4783 }%
4784 }
4785 }
4786 \newcommand{\secondarticle}[5]
4787 {
4788 \ifthenelse{\boolean{xepersian@insidefrontpage}}{%
4789 \begin{textblock}{33}(2,16)
4790 \xepersian@pages{#4}
4791 \vspace{-5pt}
4792 \xepersian@secondTitle{#1}
4793
4794 \vspace*{5pt}
4795
4796 \xepersian@secondSubtitle{#2}
4797
4798 \vspace*{-7pt}
4799
4800 \xepersian@secondText{\timestamp{#5}~#3}
4801
4802 \end{textblock}
4803
4804 \begin{textblock}{33}(2,25)
4805 \vspace{5pt plus 2pt minus 2pt}
4806
4807 \noindent\ignorespaces\rule{33\TPHorizModule}{.3pt}
4808 \end{textblock}
4809 }{%else
4810 \ClassError{xepersian-magazine}{%
4811 \protect\secondarticle\space in a wrong place.\MessageBreak
4812 \protect\secondarticle\space may only appear inside frontpage environment.
4813 }{%
4814 \protect\secondarticle\space may only appear inside frontpage environment.
4815 }%
4816 }
4817 }
4818 \newcommand{\thirdarticle}[6]

```



```

4819 {
4820 \ifthenelse{\boolean{xepersian@insidefrontpage}}{%
4821 \begin{textblock}{32}(2,26)
4822 \xepersian@pages{#5}
4823 \vspace{-5pt}
4824 \setlength{\fboxsep}{1pt}
4825 \xepersian@thirdTitle{#1}
4826
4827 \vspace*{5pt}
4828
4829 \xepersian@thirdSubtitle{#2}
4830
4831 \vspace*{5pt}
4832
4833 {\noindent\ignorespaces %
4834 \ifthenelse{\equal{#4}{}}{-}{-}
4835
4836 \xepersian@thirdText{\timestamp{#6}~#3}
4837
4838 }
4839
4840 \vspace*{5pt}
4841
4842 \end{textblock}
4843 }{%else
4844 \ClassError{xepersian-magazine}{%
4845 \protect\thirdarticle\space in a wrong place.\MessageBreak
4846 \protect\thirdarticle\space may only appear inside frontpage environment.
4847 }{%
4848 \protect\thirdarticle\space may only appear inside frontpage environment.
4849 }%
4850 }
4851 }
4852 \newcommand{\firstimage}[2]
4853 {
4854 \ifthenelse{\boolean{xepersian@insidefrontpage}}{%
4855 \begin{textblock}{18}(2,5)
4856 \setlength{\fboxsep}{1pt}
4857 \ifxetex % only in PDF
4858 \noindent\fbox{\includegraphics[width = 18\TPHorizModule ]{#1}}
4859 \fi
4860
4861 \xepersian@pictureCaption{#2}
4862 \end{textblock}%
4863 }
4864 {\ClassError{xepersian-magazine}{%
4865 \protect\firstimage\space in a wrong place.\MessageBreak
4866 \protect\firstimage\space may only appear inside frontpage environment.
4867 }{%
4868 \protect\firstimage\space may only appear inside frontpage environment.
4869 }}
4870 }%
4871 \newcommand{\weatheritem}[5]{%
4872 \ifthenelse{\boolean{xepersian@insideweather}}{-}{-}

```




```

4873 \begin{minipage}{45pt}
4874 \ifxetex
4875 \includegraphics[width=40pt]{#1}
4876 \fi
4877 \end{minipage}
4878 \begin{minipage}{50pt}
4879 \weatherTempFormat
4880 #2\
4881 \beginL#3 $\!$ #4 \lr{\weatherUnits{}}\endL\
4882 #5
4883 \end{minipage}
4884 }{%else
4885 \ClassError{xepersian-magazine}{%
4886 \protect\weatheritem\space in a wrong place.\MessageBreak
4887 \protect\weatheritem\space may only appear inside weatherblock environment.
4888 }{%
4889 \protect\weatheritem\space may only appear inside weatherblock environment.\MessageBreak
4890 weatherblock environment may only appear inside frontpage environment.
4891 }%
4892 }
4893 }
4894 \newenvironment{weatherblock}[1]
4895 {
4896 \ifthenelse{\boolean{xepersian@insidefrontpage}}{%
4897 \setboolean{xepersian@insideweather}{true}
4898 \begin{textblock}{32}{2,38}
4899 \vspace*{-15pt}
4900
4901 \xepersian@weather{\beginR#1\endR}
4902
4903 \vspace*{5pt}
4904
4905 \noindent\begin{xepersian@fmpage}{32\TPHorizModule}
4906 \begin{minipage}{32\TPHorizModule}
4907 \hspace{5pt}
4908
4909 }{%
4910 \ClassError{xepersian-magazine}{%
4911 weatherblock in a wrong place.\MessageBreak
4912 weatherblock may only appear inside frontpage environment.
4913 }{%
4914 weatherblock may only appear inside frontpage environment.
4915 }
4916 }
4917 }%
4918 {
4919 \end{minipage}
4920 \end{xepersian@fmpage}
4921 \end{textblock}
4922 \setboolean{xepersian@insideweather}{false}
4923 }
4924 \newenvironment{authorblock}[0]
4925 {
4926 \ifthenelse{\boolean{xepersian@insidefrontpage}}{%

```



```

4927 \begin{textblock}{15}(36,35)
4928 \setlength{\fboxsep}{5pt}
4929 \begin{xepersian@fmpage}{13\TPHorizModule}
4930 \begin{minipage}{13\TPHorizModule}
4931 \centering
4932 \minilogo
4933
4934 }{%else
4935 \ClassError{xepersian-magazine}{%
4936 authorblock in a wrong place.\MessageBreak
4937 authorblock may only appear inside frontpage environment.
4938 }{%
4939 authorblock may only appear inside frontpage environment.
4940 }
4941 }
4942 }
4943 {
4944 \end{minipage}
4945 \end{xepersian@fmpage}
4946 \end{textblock}
4947 }
4948 \newenvironment{indexblock}[1]
4949 {
4950 \ifthenelse{\boolean{xepersian@insidefrontpage}}{%
4951 \setboolean{xepersian@insideindex}{true}%let's in
4952 \begin{textblock}{15}(36,16)
4953 \setlength{\xepersian@indexwidth}{13\TPHorizModule}
4954 \xepersian@indexFrameTitle{#1}
4955
4956 \setlength{\fboxsep}{5pt} %espacio entre el frame y la imagen
4957 \begin{xepersian@fmpage}{\xepersian@indexwidth}
4958 \begin{minipage}{\xepersian@indexwidth}
4959 \vspace*{10pt}
4960 }{%else
4961 \ClassError{xepersian-magazine}{%
4962 indexblock in a wrong place.\MessageBreak
4963 indexblock may only appear inside frontpage environment.
4964 }{%
4965 indexblock may only appear inside frontpage environment.
4966 }
4967 }
4968 }%
4969 {
4970 \end{minipage}
4971 \end{xepersian@fmpage}
4972 \end{textblock}
4973 \setboolean{xepersian@insideindex}{false}%let's out
4974 }
4975 \newcommand{\indexitem}[2]
4976 {
4977 \ifthenelse{\boolean{xepersian@insideindex}}{
4978 \xepersian@indexEntry{#1 \xepersian@indexEntryPage{\pageref{#2}}}
4979
4980 \vspace{0.5cm}

```



```

4981
4982 \noindent\ignorespaces\indexEntrySeparator{}
4983 }{%else
4984 \ClassError{xepersian-magazine}{%
4985 \protect\indexitem\space in a wrong place.\MessageBreak
4986 \protect\indexitem\space may only appear inside indexblock environment.
4987 }{%
4988 \protect\indexitem\space may only appear inside indexblock environment.\MessageBreak
4989 indexblock environment may only appear inside frontpage environment.
4990 }%
4991 }
4992 }
4993 \newcommand{\xepersian@inexpandedtitle}[1]{
4994 \begin{minipage}{.95\textwidth}
4995 \begin{center}
4996 \noindent\Large\textbf{\beginR#1\endR}
4997 \end{center}
4998 \end{minipage}
4999 }
5000 \newcommand{\expandedtitle}[2]{
5001 \end{multicols}
5002
5003 \begin{center}
5004 \setlength{\fboxsep}{5pt}
5005 \setlength{\shadowsize}{2pt}
5006 \ifthenelse{\equal{#1}{shadowbox}}{%
5007 \shadowbox{%
5008 \xepersian@inexpandedtitle{#2}%
5009 }%
5010 }{
5011 \ifthenelse{\equal{#1}{doublebox}}{%
5012 \doublebox{%
5013 \xepersian@inexpandedtitle{#2}%
5014 }%
5015 }{
5016 \ifthenelse{\equal{#1}{ovalbox}}{%
5017 \ovalbox{%
5018 \xepersian@inexpandedtitle{#2}%
5019 }%
5020 }{
5021 \ifthenelse{\equal{#1}{Ovalbox}}{%
5022 \Ovalbox{%
5023 \xepersian@inexpandedtitle{#2}%
5024 }%
5025 }{
5026 \ifthenelse{\equal{#1}{lines}}{
5027 \hrule
5028 \vspace*{8pt}
5029 \begin{center}
5030 \noindent\Large\textbf{#2}
5031 \end{center}
5032 \vspace*{8pt}
5033 \hrule
5034 }{

```



```

5035 \end{center}
5036
5037 \begin{multicols}{\xepersian@ncolumns{}}
5038 \ifnum \xepersian@ncolumns > \minraggedcols
5039 \raggedFormat
5040 \fi
5041 }
5042 \newcommand{\xepersian@incolumntitle}[2]{
5043 \begin{minipage}{#1}
5044 \begin{center}
5045 \noindent\normalsize\textbf{#2}
5046 \end{center}
5047 \end{minipage}
5048 }
5049
5050 \newcommand{\columntitle}[2]{
5051 \vspace*{5pt}
5052 \begin{center}
5053 \setlength{\fboxsep}{5pt}
5054 \setlength{\shadowsize}{2pt}
5055 \addtolength{\xepersian@coltitsize}{\columnwidth}
5056 \addtolength{\xepersian@coltitsize}{-1\columnsep}
5057 \addtolength{\xepersian@coltitsize}{-5pt}
5058 \addtolength{\xepersian@coltitsize}{-1\shadowsize}
5059 \ifthenelse{equal{#1}{shadowbox}}{%
5060 \shadowbox{%
5061 \xepersian@incolumntitle{\xepersian@coltitsize}{#2}%
5062 }%
5063 }{
5064 \ifthenelse{equal{#1}{doublebox}}{%
5065 \doublebox{%
5066 \xepersian@incolumntitle{\xepersian@coltitsize}{#2}%
5067 }%
5068 }{
5069 \ifthenelse{equal{#1}{ovalbox}}{%
5070 \ovalbox{%
5071 \xepersian@incolumntitle{\xepersian@coltitsize}{#2}%
5072 }%
5073 }{
5074 \ifthenelse{equal{#1}{Ovalbox}}{%
5075 \Ovalbox{%
5076 \xepersian@incolumntitle{\xepersian@coltitsize}{#2}%
5077 }%
5078 }{
5079 \ifthenelse{equal{#1}{lines}}{
5080 \hrule
5081 \vspace*{5pt}
5082 \begin{center}
5083 \noindent\normalsize\textbf{#2}
5084 \end{center}
5085 \vspace*{5pt}
5086 \hrule
5087 }{
5088 \end{center}

```



```

5089 }
5090 \renewcommand{\date}{%
5091 \longdate{\today}%
5092 }
5093 \newcommand{\authorandplace}[2]{%
5094 \rightline{%
5095 {\innerAuthorFormat #1},\space{}\{\innerPlaceFormat #2}%
5096 }%
5097 \par %
5098 }
5099 \newcommand{\newsection}[1]{
5100 \renewcommand{\xepersian@section}{#1}
5101 }
5102 \newenvironment{article}[5]
5103 {
5104 \xepersian@say{Adding a new piece of article}
5105 \renewcommand{\xepersian@ncolumns}{#1}
5106 \begin{multicols}{#1}[
5107 \xepersian@pages{#4}
5108 \xepersian@innerTitle{#2}%
5109 \xepersian@innerSubtitle{#3}%
5110 ] [4cm]%
5111 \label{#5}
5112 \ifnum #1 > \minraggedcols
5113 \raggedFormat
5114 \fi
5115 }
5116 {\sim\innerTextFinalMark{}
5117 \end{multicols}
5118 }
5119 \newcommand{\articlesep}{%
5120 \setlength{\xepersian@pageneed}{16000pt}
5121 \setlength\xepersian@pageleft{\pagegoal}
5122 \addtolength\xepersian@pageleft{-\pagetotal}
5123
5124 \xepersian@say{How much left \the\xepersian@pageleft}
5125
5126 \ifdim \xepersian@pageneed < \xepersian@pageleft
5127 \xepersian@say{Not enough space}
5128 \else
5129 \xepersian@say{Adding sep line between articles}
5130 \vspace*{10pt plus 10pt minus 5pt}
5131 \hrule
5132 \vspace*{10pt plus 5pt minus 5pt}
5133 \fi
5134
5135 }
5136 \newcommand{\xepersian@editorialTit}[2]{
5137 \setlength{\arrayrulewidth}{.1pt}
5138 \begin{center}
5139 \begin{tabular}{c}
5140 \noindent
5141 \xepersian@editorialTitle{#1}
5142 \vspace{2pt plus 1pt minus 1pt}

```



```

5143 \\
5144 \hline
5145 \vspace{2pt plus 1pt minus 1pt}
5146 \\
5147 \editorialAuthorFormat{#2}
5148 \end{tabular}
5149 \end{center}
5150 }
5151 \newenvironment{editorial}[4]
5152 {
5153 \xepersian@say{Adding a new editorial}
5154 \begin{multicols}{#1}[%
5155 \xepersian@editorialTit{#2}{#3}%
5156 ] [4cm]
5157 \label{#4}
5158 \ifnum #1 > \minraggedcols
5159 \raggedFormat
5160 \fi
5161 }
5162 {
5163 \end{multicols}
5164 }
5165 \newcommand{\xepersian@shortarticleTit}[2]{
5166 \begin{center}
5167 \vbox{%
5168 \noindent
5169 \xepersian@shortarticleTitle{#1}
5170 \vspace{4pt plus 2pt minus 2pt}
5171 \hrule
5172 \vspace{4pt plus 2pt minus 2pt}
5173 \xepersian@shortarticleSubtitle{#2}
5174 }
5175 \end{center}
5176 }
5177 \newenvironment{shortarticle}[4]
5178 {
5179 \xepersian@say{Adding a short article block}
5180 \begin{multicols}{#1}[\xepersian@shortarticleTit{#2}{#3}] [4cm] %
5181 \label{#4}
5182 \par %
5183 \ifnum #1 > \minraggedcols
5184 \raggedFormat
5185 \fi
5186 }
5187 {
5188 \end{multicols}
5189 }
5190 \newcommand{\shortarticleitem}[2]{
5191 \goodbreak
5192 \vspace{5pt plus 3pt minus 3pt}
5193 {\vbox{\noindent\xepersian@shortarticleItemTitle{#1}}}
5194 \vspace{5pt plus 3pt minus 3pt}
5195 {\noindent #2}\\
5196 }

```



61 File xepersian-mathdigitsspec.sty

```
5197 \NeedsTeXFormat{LaTeX2e}
5198 \ProvidesPackage{xepersian-mathdigitsspec}
5199 [2022/05/20 v1.2.0 Unicode Persian math digits in XeLaTeX]
5200 \def\new@mathgroup{\alloc@8\mathgroup\chardef\@cclvi}
5201 \let\newfam\new@mathgroup
5202 \def\select@group#1#2#3#4{%
5203   \ifx\math@bgroup\bgroup\else\relax\expandafter\@firstofone\fi
5204   {%
5205     \ifmmode
5206       \ifnum\csname c@mv@\math@version\endcsname<\@cclvi
5207         \begingroup
5208           \escapechar\m@ne
5209           \getanddefine@fonts{\csname c@mv@\math@version\endcsname}#3%
5210           \globaldefs\@ne \math@fonts
5211         \endgroup
5212         \init@restore@version
5213         \xdef#1{\noexpand\use@mathgroup\noexpand#2%
5214           {\number\csname c@mv@\math@version\endcsname}}%
5215         \global\advance\csname c@mv@\math@version\endcsname\@ne
5216       \else
5217         \let#1\relax
5218         \@latex@error{Too many math alphabets used in
5219           version \math@version}%
5220         \@eha
5221       \fi
5222     \else \expandafter\non@alpherr\fi
5223     #1{#4}%
5224   }%
5225 }
5226 \def\document@select@group#1#2#3#4{%
5227   \ifx\math@bgroup\bgroup\else\relax\expandafter\@firstofone\fi
5228   {%
5229     \ifmmode
5230       \ifnum\csname c@mv@\math@version\endcsname<\@cclvi
5231         \begingroup
5232           \escapechar\m@ne
5233           \getanddefine@fonts{\csname c@mv@\math@version\endcsname}#3%
5234           \globaldefs\@ne \math@fonts
5235         \endgroup
5236         \expandafter\extract@alph@from@version
5237         \csname mv@\math@version\expandafter\endcsname
5238         \expandafter{\number\csname
5239           c@mv@\math@version\endcsname}%
5240         #1%
5241         \global\advance\csname c@mv@\math@version\endcsname\@ne
5242       \else
5243         \let#1\relax
5244         \@latex@error{Too many math alphabets used
5245           in version \math@version}%
5246         \@eha
5247       \fi
5248     \else \expandafter\non@alpherr\fi
```



```

5249 #1{#4}%
5250 }%
5251 }
5252 \ExplSyntaxOn
5253 \bool_set_false:N \g_fontspect_math_bool
5254 \tl_map_inline:nn
5255 {
5256 \new@mathgroup\cdp@list\cdp@elt\DeclareMathSizes
5257 \@DeclareMathSizes\newmathalphabet\newmathalphabet@@\newmathalphabet@@@
5258 \DeclareMathVersion\define@mathalphabet\define@mathgroup\addtoversion
5259 \version@list\version@elt\alpha@list\alpha@elt
5260 \restore@mathversion\init@restore@version\dorestore@version\process@table
5261 \new@mathversion\DeclareSymbolFont\group@list\group@elt
5262 \new@symbolfont\SetSymbolFont\SetSymbolFont@get@cdp
5263 \DeclareMathAlphabet\new@mathalphabet\SetMathAlphabet\SetMathAlphabet@
5264 \DeclareMathAccent\set@mathaccent\DeclareMathSymbol\set@mathchar
5265 \set@mathsymbol\DeclareMathDelimiter\@xxDeclareMathDelimiter
5266 \@DeclareMathDelimiter\@xDeclareMathDelimiter\set@mathdelimiter
5267 \set@@mathdelimiter\DeclareMathRadical\mathchar@type
5268 \DeclareSymbolFontAlphabet\DeclareSymbolFontAlphabet@
5269 }
5270 {
5271 \tl_remove_once:Nn \@preamblecmds {\do#1}
5272 }
5273 \ExplSyntaxOff
5274 \newcommand\xepersian@PackageInfo[1]{\PackageInfo{xepersian-mathdigitsspec}{#1}}
5275 \newcommand\SetMathCode[4]{%
5276 \Umathcode#1="\mathchar@type#2 \csname sym#3\endcsname #4\relax}
5277 \newcommand\SetMathCharDef[4]{%
5278 \Umathchardef#1="\mathchar@type#2 \csname sym#3\endcsname #4\relax}
5279 \ExplSyntaxOn
5280 \cs_new_eq:NN \orig_mathbf:n \mathbf
5281 \cs_new_eq:NN \orig_mathit:n \mathit
5282 \cs_new_eq:NN \orig_mathrm:n \mathrm
5283 \cs_new_eq:NN \orig_mathsf:n \mathsf
5284 \cs_new_eq:NN \orig_mathtt:n \mathtt
5285 %\int_const:Nn \c_one_int { 1 }
5286 \NewDocumentCommand \new@mathbf { m } {
5287 \orig_mathbf:n {
5288 \int_step_inline:nnnn { `0 } { \c_one_int } { `9 } {
5289 \mathcode ##1 = \numexpr "100 * \symnew@mathbf@font@digits + ##1 \relax
5290 }
5291 #1
5292 }
5293 }
5294 \NewDocumentCommand \new@mathit { m } {
5295 \orig_mathit:n {
5296 \int_step_inline:nnnn { `0 } { \c_one_int } { `9 } {
5297 \mathcode ##1 = \numexpr "100 * \symnew@mathit@font@digits + ##1 \relax
5298 }
5299 #1
5300 }
5301 }
5302 \NewDocumentCommand \new@mathrm { m } {

```




```

5303 \orig_mathrm:n {
5304   \int_step_inline:nnnn { `0 } { \c_one_int } { `9 } {
5305     \mathcode ##1 = \numexpr "100 * \symnew@mathrm@font@digits + ##1 \relax
5306   }
5307   #1
5308 }
5309 }
5310 \NewDocumentCommand \new@mathsf{ m } {
5311   \orig_mathsf:n {
5312     \int_step_inline:nnnn { `0 } { \c_one_int } { `9 } {
5313       \mathcode ##1 = \numexpr "100 * \symnew@mathsf@font@digits + ##1 \relax
5314     }
5315     #1
5316   }
5317 }
5318 \NewDocumentCommand \new@mathtt{ m } {
5319   \orig_mathtt:n {
5320     \int_step_inline:nnnn { `0 } { \c_one_int } { `9 } {
5321       \mathcode ##1 = \numexpr "100 * \symnew@mathtt@font@digits + ##1 \relax
5322     }
5323     #1
5324   }
5325 }
5326
5327 \cs_new:Npn \__xepersian_mathdigitsspec_error:nxx { \msg_error:nnxx {xepersian-mathdigitsspec}
5328 \cs_new:Nn \__xepersian_mathdigitsspec_msg_new:nnnn
5329 { \msg_new:nnxx {#1} {#2} { \tl_trim_spaces:n {#3} } { \tl_trim_spaces:n {#4} } }
5330 \char_set_catcode_space:n {32}
5331 \__xepersian_mathdigitsspec_msg_new:nnnn {xepersian-mathdigitsspec} {char-not-exist}
5332 {
5333   The font "#1" does not contain U+#2.
5334 }
5335 {
5336   Select another font and rerun xelatex.
5337 }
5338 \char_set_catcode_ignore:n {32}
5339
5340 %\__kernel_primitive:NN \iffontchar \tex_iffontchar:D
5341 \prg_new_conditional:Nnn \__xepersian_mathdigitsspec_primitive_font_char_if_exist:n {p,TF,T,F}
5342 {
5343   \tex_iffontchar:D \l_fontspec_font "#1 \scan_stop:
5344   \prg_return_true:
5345   \else:
5346     \prg_return_false:
5347   \fi:
5348 }
5349
5350 \clist_new:N \l_xepersian_mathdigitsspec_char_clist
5351
5352 \cs_new:Nn \__xepersian_mathdigitsspec_char_set_not_exist_error:nn
5353 {
5354   \clist_set:Nn \l_xepersian_mathdigitsspec_char_clist { #1 }
5355   \clist_map_inline:Nn \l_xepersian_mathdigitsspec_char_clist {
5356     \__xepersian_mathdigitsspec_primitive_font_char_if_exist:nF { ##1 } { \__xepersian_mathdigitsspec

```



```

5357     }
5358 }
5359
5360 \cs_new:Nn \__xepersian_mathdigitsspec_char_prepend_not_exist_error:nn
5361 {
5362     \clist_put_left:Nn \l_xepersian_mathdigitsspec_char_clist { #1 }
5363     \clist_map_inline:Nn \l_xepersian_mathdigitsspec_char_clist {
5364         \__xepersian_mathdigitsspec_primitive_font_char_if_exist:nF { ##1 }{ \__xepersian_mathdi
5365     }
5366 }
5367
5368 \cs_new:Nn \__xepersian_mathdigitsspec_char_append_not_exist_error:nn
5369 {
5370     \clist_put_right:Nn \l_xepersian_mathdigitsspec_char_clist { #1 }
5371     \clist_map_inline:Nn \l_xepersian_mathdigitsspec_char_clist {
5372         \__xepersian_mathdigitsspec_primitive_font_char_if_exist:nF { ##1 }{ \__xepersian_mathdi
5373     }
5374 }
5375
5376 \cs_new:Nn \__xepersian_mathdigitsspec_char_not_exist_error:n
5377 {
5378     \__xepersian_mathdigitsspec_char_set_not_exist_error:nn {
5379         06F0 , 06F1 , 06F2 , 06F3 , 06F4 , 06F5 , 06F6 , 06F7 , 06F8 ,
5380         06F9 , 066A , 066B
5381     } { #1 }
5382 }
5383
5384 \DeclareDocumentCommand \setmathdigitfont { 0{} m 0{} }
5385 {
5386     \__xepersian_main_setmathdigitfont:nn {#1,#3} {#2}
5387 }
5388 \cs_new:Nn \__xepersian_main_setmathdigitfont:nn
5389 {
5390     \let\glb@currsize\relax
5391     \fontspec_set_family:Nnn \g__xepersian_mathdigitsspec_family_tl {Ligatures=PersianTeX,#1} {#2}
5392     \__xepersian_setmathdigitfont_hook:nn {#1} {#2}
5393     \xepersian@PackageInfo{Defining the default Persian math digits font as '#2'}
5394     \DeclareSymbolFont{OPERATORS}{\g_fontspec_encoding_tl}{\g__xepersian_mathdigitsspec_family_tl}
5395     \DeclareSymbolFont{new@mathbf@font@digits}{\g_fontspec_encoding_tl}{\g__xepersian_mathdigitsspec_family_tl}
5396     \DeclareSymbolFont{new@mathit@font@digits}{\g_fontspec_encoding_tl}{\g__xepersian_mathdigitsspec_family_tl}
5397     \DeclareSymbolFont{new@mathrm@font@digits}{\g_fontspec_encoding_tl}{\g__xepersian_mathdigitsspec_family_tl}
5398     \__xepersian_mathdigitsspec_char_not_exist_error:n { #2 }
5399     \def\persianmathdigits{%
5400     \SetMathCode{`0}{\mathalpha}{OPERATORS}{`0}
5401     \SetMathCode{`1}{\mathalpha}{OPERATORS}{`1}
5402     \SetMathCode{`2}{\mathalpha}{OPERATORS}{`2}
5403     \SetMathCode{`3}{\mathalpha}{OPERATORS}{`3}
5404     \SetMathCode{`4}{\mathalpha}{OPERATORS}{`4}
5405     \SetMathCode{`5}{\mathalpha}{OPERATORS}{`5}
5406     \SetMathCode{`6}{\mathalpha}{OPERATORS}{`6}
5407     \SetMathCode{`7}{\mathalpha}{OPERATORS}{`7}
5408     \SetMathCode{`8}{\mathalpha}{OPERATORS}{`8}
5409     \SetMathCode{`9}{\mathalpha}{OPERATORS}{`9}
5410     \SetMathCode{`\%}{\mathbin}{OPERATORS}{` }

```



```

5411 \SetMathCharDef{\persiandecimalseparator}{\mathord}{OPERATORS}{\O66B}
5412 \tl_set_eq:NN \mathbf \new@mathbf
5413 \tl_set_eq:NN \mathit \new@mathit
5414 \tl_set_eq:NN \mathrm \new@mathrm}
5415 }
5416
5417 \cs_set_eq:NN \__xepersian_setmathdigitfont_hook:nn \use_none:nn
5418
5419 \DeclareDocumentCommand \setmathsfdigitfont { O{} m O{} }
5420 {
5421   \__xepersian_main_setmathsfdigitfont:nn {#1,#3} {#2}
5422 }
5423 \cs_new:Nn \__xepersian_main_setmathsfdigitfont:nn
5424 {
5425   \fontspec_set_family:Nnn \g__xepersian_mathsfdigitfamily_tl {Ligatures=PersianTeX,#1} {#2}
5426   \__xepersian_setmathsfdigitfont_hook:nn {#1} {#2}
5427   \DeclareSymbolFont{new@mathsf@font@digits}{\g_fontspec_encoding_tl}{\g__xepersian_mathsf}
5428   \__xepersian_mathdigitsspec_char_not_exist_error:n { #2 }
5429   \def\persianmathsfdigits{\tl_set_eq:NN \mathsf \new@mathsf}
5430 }
5431
5432 \cs_set_eq:NN \__xepersian_setmathsfdigitfont_hook:nn \use_none:nn
5433
5434 \DeclareDocumentCommand \setmathhttdigitfont { O{} m O{} }
5435 {
5436   \__xepersian_main_setmathhttdigitfont:nn {#1,#3} {#2}
5437 }
5438 \cs_new:Nn \__xepersian_main_setmathhttdigitfont:nn
5439 {
5440   \fontspec_set_family:Nnn \g__xepersian_mathhttdigitfamily_tl {Ligatures=PersianTeX,#1} {#2}
5441   \__xepersian_setmathhttdigitfont_hook:nn {#1} {#2}
5442   \DeclareSymbolFont{new@mathtt@font@digits}{\g_fontspec_encoding_tl}{\g__xepersian_mathtt}
5443   \__xepersian_mathdigitsspec_char_not_exist_error:n { #2 }
5444   \def\persianmathttdigits{\tl_set_eq:NN \mathtt \new@mathtt}
5445 }
5446
5447 \cs_set_eq:NN \__xepersian_setmathhttdigitfont_hook:nn \use_none:nn
5448
5449 \ExplSyntaxOff
5450 \mathchardef\decimalseparator@point="013A
5451 {%
5452   \catcode\.\=active
5453   \gdef.{\begingroup\obeyspaces\futurelet\@let@token\decimalseparator@pointcheck}}
5454 \def\decimalseparator@pointcheck{\decimalseparator@check\MathDecimalSeparator\decimalseparator}
5455 \def\decimalseparator@check#1#2{%
5456   \ifx\@let@token1\endgroup#1\else
5457     \ifx\@let@token2\endgroup#1\else
5458       \ifx\@let@token3\endgroup#1\else
5459         \ifx\@let@token4\endgroup#1\else
5460           \ifx\@let@token5\endgroup#1\else
5461             \ifx\@let@token6\endgroup#1\else
5462               \ifx\@let@token7\endgroup#1\else
5463                 \ifx\@let@token8\endgroup#1\else
5464                   \ifx\@let@token9\endgroup#1\else

```



```

5465             \ifx\@let@token0\endgroup#1\else
5466             \ifx\@let@token\dot\endgroup#1\else
5467             \ifx\@let@token\overline\endgroup#1\else
5468             \endgroup#2%
5469         \fi
5470     \fi
5471 \fi
5472 \fi
5473 \fi
5474 \fi
5475 \fi
5476 \fi
5477 \fi
5478 \fi
5479 \fi
5480 \fi}
5481 \mathcode`.="8000\relax
5482 \def\MathDecimalSeparator{\ifx\persiandecimalseparator\undefined .\else \persiandecimalsepara
5483 \def\DefaultMathDecimalSeparator{.}
5484 \def\DefaultInlineMathDigits{\def\SetInlineMathDigits{}}
5485 \def\DefaultDisplayMathDigits{\def\SetDisplayMathDigits{}}
5486 \def\DefaultMathDigits{%
5487     \DefaultInlineMathDigits%
5488     \DefaultDisplayMathDigits%
5489 }
5490 \def\PersianInlineMathDigits{\def\SetInlineMathDigits{%
5491 \ifx\persianmathdigits\undefined\else\persianmathdigits\fi%
5492 \ifx\persianmathsfdigits\undefined\else\persianmathsfdigits\fi%
5493 \ifx\persianmaththtdigits\undefined\else\persianmaththtdigits\fi}}
5494 \def\PersianDisplayMathDigits{\def\SetDisplayMathDigits{%
5495 \ifx\persianmathdigits\undefined\else\persianmathdigits\fi%
5496 \ifx\persianmathsfdigits\undefined\else\persianmathsfdigits\fi%
5497 \ifx\persianmaththtdigits\undefined\else\persianmaththtdigits\fi}}
5498 \def\PersianMathDigits{%
5499     \PersianInlineMathDigits%
5500     \PersianDisplayMathDigits%
5501 }
5502 \def\AutoInlineMathDigits{\def\SetInlineMathDigits{%
5503 \ifx\persianmathdigits\undefined\else\if@nonlatin\persianmathdigits\fi\fi%
5504 \ifx\persianmathsfdigits\undefined\else\if@nonlatin\persianmathsfdigits\fi\fi%
5505 \ifx\persianmaththtdigits\undefined\else\if@nonlatin\persianmaththtdigits\fi\fi}}
5506 \def\AutoDisplayMathDigits{\def\SetDisplayMathDigits{%
5507 \ifx\persianmathdigits\undefined\else\if@nonlatin\persianmathdigits\fi\fi%
5508 \ifx\persianmathsfdigits\undefined\else\if@nonlatin\persianmathsfdigits\fi\fi%
5509 \ifx\persianmaththtdigits\undefined\else\if@nonlatin\persianmaththtdigits\fi\fi}}
5510 \def\AutoMathDigits{%
5511     \AutoInlineMathDigits%
5512     \AutoDisplayMathDigits%
5513 }
5514 \AutoMathDigits
5515 \everymath\expandafter{\the\everymath\SetInlineMathDigits%
5516     \let\SetDisplayMathDigits\relax%
5517 }
5518 \everydisplay\expandafter{%

```



```

5519 \the\everydisplay\SetDisplayMathDigits%
5520 \let\SetInlineMathDigits\relax%
5521 }
5522
5523 \ExplSyntaxOn
5524 \cs_new_eq:NN \orig_MathDecimalSeparator \MathDecimalSeparator
5525
5526 \NewDocumentCommand \SwitchToDefaultMathDigits { } {
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 \DefaultMathDecimalSeparator
5532 \tl_set_eq:NN \mathbf \orig_mathbf:n
5533 \tl_set_eq:NN \mathit \orig_mathit:n
5534 \tl_set_eq:NN \mathrm \orig_mathrm:n
5535 \tl_set_eq:NN \mathsf \orig_mathsf:n
5536 \tl_set_eq:NN \mathtt \orig_mathtt:n
5537 }
5538
5539 \NewDocumentCommand \SwitchToPersianMathDigits { } {
5540 \int_step_inline:nnnn { `0 } { \c_one_int } { `9 } {
5541 \SetMathCode{##1}{\mathalpha}{OPERATORS}{##1}
5542 }
5543 \SetMathCode{`\%}{\mathbin}{OPERATORS}{` }
5544 \tl_set_eq:NN \MathDecimalSeparator \orig_MathDecimalSeparator
5545 \tl_set_eq:NN \mathbf \new@mathbf
5546 \tl_set_eq:NN \mathit \new@mathit
5547 \tl_set_eq:NN \mathrm \new@mathrm
5548 \tl_set_eq:NN \mathsf \new@mathsf
5549 \tl_set_eq:NN \mathtt \new@mathtt
5550 }
5551 \ExplSyntaxOff

```

62 File xepersian-multiplechoice.sty

```

5552 \NeedsTeXFormat{LaTeX2e}
5553 \ProvidesPackage{xepersian-multiplechoice}[2010/07/25 v0.2
5554 Multiple Choice Questionnaire class for Persian in XeLaTeX]
5555 \RequirePackage{pifont}
5556 \RequirePackage{fullpage}
5557 \RequirePackage{ifthen}
5558 \RequirePackage{calc}
5559 \RequirePackage{verbatim}
5560 \RequirePackage{tabularx}
5561 \def\@headerfont{\bfseries}
5562 \newcommand\headerfont[1]{\gdef\@headerfont{#1}}
5563 \def\@X{X}
5564 \newcommand\X[1]{\gdef\@X{#1}}
5565 \def\pbs#1{\let\tmp=\#1\let\=\tmp}
5566 \newcolumnntype{D}{>{\pbs\centering}X}
5567 \newcolumnntype{Q}{>{\@headerfont}X}
5568
5569 \renewcommand\tabularxcolumn[1]{m{#1}}

```



```

5570 \newcommand\makeform@nocorrection{%
5571 \addtocontents{frm}{\protect\end{tabularx}}
5572 \@starttoc{frm}}
5573 \newcommand\makeform@correction{%
5574 \addtocontents{frm}{\protect\end{tabularx}}}
5575 \newcommand\makemask@nocorrection{%
5576 \addtocontents{msk}{\protect\end{tabularx}}
5577 \@starttoc{msk}}
5578 \newcommand\makemask@correction{%
5579 \addtocontents{msk}{\protect\end{tabularx}}}
5580 \newlength\questionspace
5581 \setlength\questionspace{Opt}
5582 \newcommand\answerstitle[1]{\gdef\@answerstitle{#1}}
5583 \def\@answerstitlefont{\bfseries}
5584 \newcommand\answerstitlefont[1]{\gdef\@answerstitlefont{#1}}
5585 \def\@answernumberfont{\bfseries}
5586 \newcommand\answernumberfont[1]{\gdef\@answernumberfont{#1}}
5587 \newcounter{question}\stepcounter{question}
5588 \newcounter{@choice}
5589 \def\@initiorcheck{%
5590 \xdef\@choices{\the@choice}%
5591 \setcounter{@choice}{1}%
5592 \gdef\@arraydesc{|Q||}%
5593 \gdef\@headerline{%
5594 \whiledo{\not{\value{@choice}>\@choices}}{
5595 \xdef\@arraydesc{\@arraydesc D|}
5596 \def\@appendheader{\g@addto@macro\@headerline}
5597 \@appendheader{&\protect\@headerfont}
5598 \edef\@the@choice{\alph{@choice}}}
5599 \expandafter\@appendheader\@the@choice
5600 \stepcounter{@choice}}%
5601 \addtocontents{frm}{%
5602 \protect\begin{tabularx}{\protect\linewidth}{\@arraydesc}
5603 \protect\hline
5604 \@headerline\protect\\\protect\hline\protect\hline}%
5605 \addtocontents{msk}{%
5606 \protect\begin{tabularx}{\protect\linewidth}{\@arraydesc}
5607 \protect\hline
5608 \@headerline\protect\\\protect\hline\protect\hline}%
5609 \gdef\@initiorcheck{%
5610 \ifthenelse{\value{@choice} = \@choices}{}%
5611 \ClassError{xepersian-multiplechoice}{Question \thequestion: wrong number of choices
5612 (\the@choice\space instead of \@choices)}{%
5613 Questions must all have the same number of proposed answers.%
5614 \MessageBreak
5615 Type X <return> to quit, fix your MCQ (multiple choice question) and rerun XeLaTeX.}}
5616 \newenvironment{question}[1]{%
5617 %% \begin{question}
5618 \begin{minipage}{\textwidth}
5619 \xdef\@formanswerline{\@questionheader}%
5620 \xdef\@maskanswerline{\@questionheader}%
5621 \fbox{\parbox[c]{\linewidth}{#1}}
5622 \vspace\questionspace\par
5623 {\@answerstitlefont\@answerstitle}

```



```

5624 \begin{list}{\@answernumberfont\alph{@choice}}~}{\usecounter{@choice}}{\\%
5625 %% \end{question}
5626 \end{list}
5627 \@initortcheck%
5628 \addtocontents{frm}{\@formanswerline\protect\\protect\hline}%
5629 \addtocontents{msk}{\@maskanswerline\protect\\protect\hline}%
5630 \end{minipage}
5631 \stepcounter{question}}
5632 \def\@truesymbol{\ding{52}~}
5633 \def\@falsesymbol{\ding{56}~}
5634 \newcommand\truesymbol[1]{\gdef\@truesymbol{#1}}
5635 \newcommand\falsesymbol[1]{\gdef\@falsesymbol{#1}}
5636 \def\@true@nocorrection{\item}
5637 \def\@false@nocorrection{\item}
5638 \def\@true@correction{\item[\@truesymbol\refstepcounter{@choice}]}
5639 \def\@false@correction{\item[\@falsesymbol\refstepcounter{@choice}]}
5640 \newcommand\true{%
5641 \xdef\@formanswerline{\@formanswerline&}%%
5642 \xdef\@maskanswerline{\@maskanswerline&\@X}%
5643 \@true}%
5644 \newcommand>false{%
5645 \xdef\@formanswerline{\@formanswerline&}%%
5646 \xdef\@maskanswerline{\@maskanswerline&}%%
5647 \@false}%
5648 \def\@correctionstyle{\itshape}
5649 \newcommand\correctionstyle[1]{\gdef\@correctionstyle{#1}}
5650 \newenvironment{@correction}{\@correctionstyle}{%
5651 \def\@questionheader{\thequestion}
5652 \answerstyle{\\:
5653 \DeclareOption{nocorrection}{\\%
5654 \let\@true\@true@nocorrection
5655 \let\@false\@false@nocorrection
5656 \let\correction\comment
5657 \let\endcorrection\endcomment
5658 \def\makeform{\makeform@nocorrection}
5659 \def\makemask{\makemask@nocorrection}}
5660 \DeclareOption{correction}{\\%
5661 \let\@true\@true@correction
5662 \let\@false\@false@correction
5663 \let\correction\@correction
5664 \let\endcorrection\end@correction
5665 \def\makeform{\makeform@correction}
5666 \def\makemask{\makemask@correction}}
5667 \ExecuteOptions{nocorrection}
5668 \newcommand\questiontitle[1]{\gdef\@questiontitle{#1}}
5669 \def\@questiontitlefont{\bfseries}
5670 \newcommand\questiontitlefont[1]{\gdef\@questiontitlefont{#1}}
5671 \newlength\questiontitlespace
5672 \setlength\questiontitlespace{5pt}
5673 \newlength\questionsepspace
5674 \setlength\questionsepspace{20pt}
5675 \gdef\@questionsepspace{0pt}
5676 \let\old@question\question
5677 \let\old@endquestion\endquestion

```



```

5678 \renewenvironment{question}[1]{%
5679   %% \begin{question}
5680   \vspace{@questionsepspace}
5681   \fbox{\parbox[c]{0.25\linewidth}{\@questiontitlefont\@questiontitle}}
5682   \nopagebreak\vspace{questiontitlespace}\par
5683   \old@question{#1}}{%
5684   %% \end{question}
5685   \old@endquestion
5686   \gdef\@questionsepspace{\questionsepspace}}
5687   \questiontitle{ \thequestion:}
5688 \ProcessOptions

```

63 File xepersian-persiancal.sty

```

5689 \NeedsTeXFormat{LaTeX2e}
5690 \ProvidesPackage{xepersian-persiancal}[2012/07/25 v0.2 provides Persian calendar]
5691
5692 \newif\ifXePersian@leap \newif\ifXePersian@kabiseh
5693 \newcount\XePersian@i \newcount\XePersian@y \newcount\XePersian@m \newcount\XePersian@d
5694 \newcount\XePersian@latini \newcount\XePersian@persiani
5695 \newcount\XePersian@latinii \newcount\XePersian@persianii
5696 \newcount\XePersian@latiniii \newcount\XePersian@persianiii
5697 \newcount\XePersian@latiniv \newcount\XePersian@persianiv
5698 \newcount\XePersian@latinvi \newcount\XePersian@persianvi
5699 \newcount\XePersian@latinvi \newcount\XePersian@persianvi
5700 \newcount\XePersian@latinvii \newcount\XePersian@persianvii
5701 \newcount\XePersian@latinviii \newcount\XePersian@persianviii
5702 \newcount\XePersian@latinix \newcount\XePersian@persianix
5703 \newcount\XePersian@latinix \newcount\XePersian@persianix
5704 \newcount\XePersian@latinxi \newcount\XePersian@persianxi
5705 \newcount\XePersian@latinxii \newcount\XePersian@persianxii
5706 \newcount\XePersian@persianxiii
5707
5708 \newcount\XePersian@temp
5709 \newcount\XePersian@temptwo
5710 \newcount\XePersian@temptthree
5711 \newcount\XePersian@yModHundred
5712 \newcount\XePersian@thirtytwo
5713 \newcount\XePersian@dn
5714 \newcount\XePersian@sn
5715 \newcount\XePersian@mminusone
5716
5717
5718 \XePersian@y=\year \XePersian@m=\month \XePersian@d=\day
5719 \XePersian@temp=\XePersian@y
5720 \divide\XePersian@temp by 100\relax
5721 \multiply\XePersian@temp by 100\relax
5722 \XePersian@yModHundred=\XePersian@y
5723 \advance\XePersian@yModHundred by -\XePersian@temp\relax
5724 \ifodd\XePersian@yModHundred
5725   \XePersian@leapfalse
5726 \else
5727   \XePersian@temp=\XePersian@yModHundred
5728   \divide\XePersian@temp by 2\relax

```




```

5729 \ifodd\XePersian@temp\XePersian@leapfalse
5730 \else
5731 \ifnum\XePersian@yModHundred=0%
5732 \XePersian@temp=\XePersian@y
5733 \divide\XePersian@temp by 400\relax
5734 \multiply\XePersian@temp by 400\relax
5735 \ifnum\XePersian@y=\XePersian@temp\XePersian@leaptrue\else\XePersian@leapfalse\fi
5736 \else\XePersian@leaptrue
5737 \fi
5738 \fi
5739 \fi
5740 \XePersian@latini=31\relax
5741 \ifXePersian@leap
5742 \XePersian@latinii = 29\relax
5743 \else
5744 \XePersian@latinii = 28\relax
5745 \fi
5746 \XePersian@latiniii = 31\relax
5747 \XePersian@latiniv = 30\relax
5748 \XePersian@latinv = 31\relax
5749 \XePersian@latinvi = 30\relax
5750 \XePersian@latinvii = 31\relax
5751 \XePersian@latinviii = 31\relax
5752 \XePersian@latinix = 30\relax
5753 \XePersian@latinx = 31\relax
5754 \XePersian@latinxi = 30\relax
5755 \XePersian@latinxii = 31\relax
5756 \XePersian@thirtytwo=32\relax
5757 \XePersian@temp=\XePersian@y
5758 \advance\XePersian@temp by -17\relax
5759 \XePersian@temptwo=\XePersian@temp
5760 \divide\XePersian@temptwo by 33\relax
5761 \multiply\XePersian@temptwo by 33\relax
5762 \advance\XePersian@temp by -\XePersian@temptwo
5763 \ifnum\XePersian@temp=\XePersian@thirtytwo\XePersian@kabisehfalse
5764 \else
5765 \XePersian@temptwo=\XePersian@temp
5766 \divide\XePersian@temptwo by 4\relax
5767 \multiply\XePersian@temptwo by 4\relax
5768 \advance\XePersian@temp by -\XePersian@temptwo
5769 \ifnum\XePersian@temp=\z@\XePersian@kabisehtrue\else\XePersian@kabisehfalse\fi
5770 \fi
5771 \XePersian@tempthree=\XePersian@y % Number of Leap years
5772 \advance\XePersian@tempthree by -1
5773 \XePersian@temp=\XePersian@tempthree % T := (MY-1) div 4
5774 \divide\XePersian@temp by 4\relax
5775 \XePersian@temptwo=\XePersian@tempthree % T := T - ((MY-1) div 100)
5776 \divide\XePersian@temptwo by 100\relax
5777 \advance\XePersian@temp by -\XePersian@temptwo
5778 \XePersian@temptwo=\XePersian@tempthree % T := T + ((MY-1) div 400)
5779 \divide\XePersian@temptwo by 400\relax
5780 \advance\XePersian@temp by \XePersian@temptwo
5781 \advance\XePersian@tempthree by -611 % Number of Kabise years
5782 \XePersian@temptwo=\XePersian@tempthree % T := T - ((SY+10) div 33) * 8

```



```

5783 \divide\XePersian@temptwo by 33\relax
5784 \multiply\XePersian@temptwo by 8\relax
5785 \advance\XePersian@temp by -\XePersian@temptwo
5786 \XePersian@temptwo=\XePersian@tempthree %
5787 \divide\XePersian@temptwo by 33\relax
5788 \multiply\XePersian@temptwo by 33\relax
5789 \advance\XePersian@tempthree by -\XePersian@temptwo
5790 \ifnum\XePersian@tempthree=32\advance\XePersian@temp by 1\fi % if (SY+10) mod 33=32 then Inc
5791 \divide\XePersian@tempthree by 4\relax % T := T - ((SY+10) mod 33) div 4
5792 \advance\XePersian@temp by -\XePersian@tempthree
5793 \advance\XePersian@temp by -137 % T := T - 137 Adjust the value
5794 \XePersian@persiani=31
5795 \advance\XePersian@persiani by -\XePersian@temp % now 31 - T is the persiani
5796 \XePersian@persianii = 30\relax
5797 \ifXePersian@kabiseh
5798 \XePersian@persianiii = 30\relax
5799 \else
5800 \XePersian@persianiii = 29\relax
5801 \fi
5802 \XePersian@persianiv = 31\relax
5803 \XePersian@persianv = 31\relax
5804 \XePersian@persianvi = 31\relax
5805 \XePersian@persianvii = 31\relax
5806 \XePersian@persianviii= 31\relax
5807 \XePersian@persianix = 31\relax
5808 \XePersian@persianx = 30\relax
5809 \XePersian@persianxi = 30\relax
5810 \XePersian@persianxii = 30\relax
5811 \XePersian@persianxiii= 30\relax
5812 \XePersian@dn= 0\relax
5813 \XePersian@sn= 0\relax
5814 \XePersian@mminusone=\XePersian@m
5815 \advance\XePersian@mminusone by -1\relax
5816 \XePersian@i=0\relax
5817 \ifnum\XePersian@i < \XePersian@mminusone
5818 \loop
5819 \advance \XePersian@i by 1\relax
5820 \advance\XePersian@dn by \csname XePersian@latin\romannumeral\the\XePersian@i\endcsname
5821 \ifnum\XePersian@i<\XePersian@mminusone \repeat
5822 \fi
5823 \advance \XePersian@dn by \XePersian@d
5824 \XePersian@i=1\relax
5825 \XePersian@sn = \XePersian@persiani
5826 \ifnum \XePersian@sn<\XePersian@dn
5827 \loop
5828 \advance \XePersian@i by 1\relax
5829 \advance\XePersian@sn by \csname XePersian@persian\romannumeral\the\XePersian@i\endcsname
5830 \ifnum \XePersian@sn<\XePersian@dn \repeat
5831 \fi
5832 \ifnum \XePersian@i < 4
5833 \XePersian@m = 9 \advance\XePersian@m by \XePersian@i
5834 \advance \XePersian@y by -622\relax
5835 \else
5836 \XePersian@m = \XePersian@i \advance \XePersian@m by -3\relax

```



```

5837 \advance \XePersian@y by -621\relax
5838 \fi
5839 \advance\XePersian@sn by -\csname XePersian@persian\romannumeral\the\XePersian@i%
5840 \endcsname
5841 \ifnum\XePersian@i = 1
5842 \XePersian@d = \XePersian@dn \advance \XePersian@d by 30 \advance\XePersian@d by -\XePersia
5843 \else
5844 \XePersian@d = \XePersian@dn \advance \XePersian@d by -\XePersian@sn
5845 \fi
5846 \newcommand*{\persiantoday}{\%
5847 \number\XePersian@d\space%
5848 \XePersian@persian@month{\XePersian@m}\space\number\XePersian@y%
5849 }
5850 \let\persianyear\XePersian@y
5851 \let\persianmonth\XePersian@m
5852 \let\persianday\XePersian@d
5853 \def\XePersian@persian@month#1{\ifcase#1\or or\
5854 or\
5855 or\ or\
5856 or\
5857 or\ or\
5858 or\ or\
5859 or\ or\
5860 \fi\

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