

CJKpunct 使用说明

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CJKpunct 是一个 L^AT_EX 宏包，用于排版中文标点，提供多种标点样式，以实现行末对齐、标点挤压等效果。其基本方法来自 CCT。

1 调用方式

```
\usepackage{CJKpunct}
```

2 常用宏命令

```
\punctstyle{punct style}
```

设置标点格式，有效值分别为

punct style	
banjiao	半角式
quanjiao	全角式
kaiming	开明式
hangmobanjiao	行末半角式
CCT	CCT 格式
plain	CJK 缺省格式

注意：为了得到最好的排版效果，需要制作字体相关的 CJKpunct.spa 文件。请参考 TDS/doc/latex/cjkpunct/setpunct/README.txt。

```
\CJKpunctallowbreakbetweenpuncts  
\CJKpunctnobreakbetweenpuncts
```

缺省状态下，**CJKpunct** 禁止在相邻的标点间换行（行末半角和 CJK 缺省格式除外）。使用

`\CJKpunctallowbreakbetweenpuncts`

改变这一设置。注意：行末半角和 CJK 缺省格式总是允许相邻标点间换行。

```
\CJKpunctsetkern{<标点1>}{<标点2>}{<间距>}
```

设置标点 1 与标点 2 之间的距离。例如，`\CJKpunctsetkern{:}{“}{0.4em}`

```
\CJKpunctmapfamily{<font encoding>}{<font family>}{<font series>}{<font shape>}{<punct family>}
```

缺省状态下，`CJKpunct` 根据 `CJKfamily` 确定当前标点符号的实际字体。但这对 C19com 等组合字体不适用。此命令提供一个解决方案：用户可以指定 `{}/ {}/ {}/ {}` 所对应的标点符号字体。例如，对于 C19rm，可以做如下设置：

```
\CJKpunctmapfamily{C19}{rm}{m}{n}{song}
\CJKpunctmapfamily{C19}{rm}{bx}{n}{hei}
\CJKpunctmapfamily{C19}{rm}{m}{sl}{song}
\CJKpunctmapfamily{C19}{rm}{bx}{sl}{hei}
\CJKpunctmapfamily{C19}{rm}{m}{it}{kai}
\CJKpunctmapfamily{C19}{rm}{bx}{it}{kai}
```

3 制作 CJKpunct.spa 文件

文件 `CJKpunct.spa` 保存了字体相关的标点符号宽度。制作方法请参考 `TDS/doc/latex/cjkpunct/setpunct/README.txt`。

File I

CJKpunct.sty

CJKpunct

```
1 \endlinechar \m@ne
2
3 \newif\if@CJKpunct
4 \newif\if@CJKpunct@dokerning
5 \newcount\CJKpunct@cnta
6 \newcount\CJKpunct@cntb
7 \newcount\CJKpunct@cntc
8 \newcount\CJKpunct@cntd
9 \newcount\CJKpunct@cnte
```

为使 `CJKpunct` 起作用，重定义一些 CJK 宏。

```
10 \let\CJKo@testLastCJK\CJK@testLastCJK
11 \def\CJKpunct@testLastCJK{
12   \global\CJK@false
13   \global\edef\CJKpunct@lastkern{\number\lastkern}}
14
15 \let\CJKo@testLastKern\CJK@testLastKern
16 \def\CJKpunct@testLastKern{
17   \global\CJK@false}
18
19 \let\CJKo@testPrePunct\CJK@testPrePunct
20 \let\CJKo@testPostPunct\CJK@testPostPunct
21 \def\CJKpunct@testPrePunct#1#2#3{}
22 \def\CJKpunct@testPostPunct#1#2#3{}
23
24
25 \let\CJKo@nobreakglue\CJK@nobreakglue
```

`\CJKsymbol` 的定义中需要三重括号以保证兼容 `CJKfntef` 宏包。

```
26
27 \let\CJKosymbol\CJKsymbol
28 \def\CJKpunct@CJKsymbol#1{
29   {{{
30   \ifnum\CJKpunct@lastkern>0\relax
31     \ifnum\CJKpunct@lastcharclass=0\relax
32       \CJKglue
33     \else
```

```

34     \CJKpunct@ULspecials
35     \fi
36     \fi
37     \CJKosymbol{#1}
38     \gdef\CJKpunct@lastcharclass{0}}}}
39
40 \def\CJKpunct@lastcharclass{0}
41 \def\CJKpunct@lastkern{0}

```

标点符号的排版规则:

```

42 \let\CJKopunctsymbol\CJKpunctsymbol
43 \def\CJKpunct@CJKpunctsymbol#1{
44     \CJKpunct@setfamily
45     \CJKpunct@setmarginkerning
46     \edef\CJKpunct@currentpunct{\CJK@plane/\the#1}
47     \ifcsname CJKpunct@\CJK@enc @\CJKpunct@currentpunct\endcsname
48     \edef\CJKpunct@currentcharclass{
49         \csname CJKpunct@\CJK@enc @\CJKpunct@currentpunct\endcsname}
50     {{{% We need three braces for CJKulem to work
51     \@CJKpunctfalse
52     \ifnum\CJKpunct@lastkern>0\relax
53     \ifnum\CJKpunct@lastcharclass>0\relax
54         \unkern
55         \unkern
56         \ifnum\CJKpunct@punctstyle>0\relax
57             \@CJKpuncttrue
58         \else
59             \ifcsname CJKpunct@specialpunct\CJK@enc \CJKpunct@currentpunct\endcsname
60             \@CJKpuncttrue
61         \fi
62     \fi
63     \fi
64     \fi
65     \if@CJKpunct
66         \CJKpunct@unskip
67         \CJKpunct@setkern{\CJKpunct@lastpunct}{\CJKpunct@currentpunct}
68         \kern \csname CJKpunct\CJKpunct@punctstyle @\CJK@enc @\CJKpunct@family
69             @kern\CJKpunct@lastpunct @\CJKpunct@currentpunct\endcsname
70         \CJKpunct@nobreak
71     \else
72         \CJKpunct@ULspecials
73         \ifnum\CJKpunct@currentcharclass=1\relax
74             \hskip \csname CJKpunct\CJKpunct@punctstyle @\CJK@enc @\CJKpunct@family
75                 @lglue@\CJKpunct@currentpunct\endcsname plus 0.1em minus 0.1 em

```

```

76     \else
77         \ifcsname CJKpunct@specialpunct\CJK@enc \CJKpunct@currentpunct\endcsname
78             \CJKglue % breakable
79         \else
80             \nobreak
81         \fi
82     \fi
83 \fi
84 \global\edef\CJKpunct@lastpunct{\CJKpunct@currentpunct}
85
86 \vrule width \csname CJKpunct\CJKpunct@punctstyle @\CJK@enc @\CJKpunct@family
87     @lrule@\CJKpunct@currentpunct\endcsname depth \z@ height \z@
88
89 \CJKopunctsymbol{#1}
90 \vrule width \csname CJKpunct\CJKpunct@punctstyle @\CJK@enc @\CJKpunct@family
91     @rrule@\CJKpunct@currentpunct\endcsname depth \z@ height \z@
92
93 \ifnum\CJKpunct@currentcharclass=2\relax
94     \hskip \csname CJKpunct\CJKpunct@punctstyle @\CJK@enc @\CJKpunct@family
95         @rglue@\CJKpunct@currentpunct\endcsname plus 0.1em minus 0.1 em
96 \fi
97 \global\let\CJKpunct@lastcharclass\CJKpunct@currentcharclass}}
98 \else
99     \CJKsymbol{#1}
100 \global\def\CJKpunct@lastcharclass{0}
101 \fi}

```

设置当前 font family.

```

102 \def\CJKpunct@setfamily{
103     \ifcsname \CJK@enc @\CJK@family @\f@series @\f@shape\endcsname
104         \global\edef\CJKpunct@family{\csname \CJK@enc @\CJK@family @\f@series @\f@shape\endcsname}
105     \else
106         \global\edef\CJKpunct@family{\CJK@family}
107     \fi}
108
109 \def\CJKpunctmapfamily#1#2#3#4#5{
110     \expandafter\edef\csname #1@#2@#3@#4\endcsname{#5}}
111

```

CJK 缺省标点符号格式

```

112 \def\CJKpunct@plainpunctsymbol#1#2{
113     \CJKpunctsymbol{#2}}

```

设置标点符号边界宽度。

```

114 \def\CJKpunct@setmarginkerning{
115   \ifcsname CJKpunct @\CJKpunct@punctstyle @\CJK@enc @\CJKpunct@family\endcsname
116   \else
117     \expandafter\gdef\csname CJKpunct @\CJKpunct@punctstyle @\CJK@enc
118     @\CJKpunct@family\endcsname{}
119     \ifcsname CJKpunct@\CJKpunct@family @spaces\endcsname
120     \PackageInfo{CJKpunct}{use punctuation spaces for family '\CJKpunct@family'
121     \space with punctstyle (\CJKpunct@currentpunctstyle)}\relax
122     \edef\CJKpunct@spaces{\csname CJKpunct@\CJKpunct@family @spaces\endcsname}
123   \else
124     \ifcsname CJKpunct@spaces@\CJKpunct@family\endcsname
125     \else
126     \PackageInfo{CJKpunct}{punctuation spaces for family '\CJKpunct@family' do not ex
127     \space Use family 'def' instead.}\relax
128     \global\expandafter\def\csname CJKpunct@spaces@\CJKpunct@family\endcsname{}
129   \fi
130   \edef\CJKpunct@spaces{\csname CJKpunct@def@spaces\endcsname}
131   \fi
132   \CJKpunct@cmta=0\relax
133   \expandafter\CJKpunct@@setmarginkerning\CJKpunct@spaces
134 \fi}
135
136 \def\CJKpunct@@setmarginkerning#1,#2,{
137   \edef\CJKpunct@temp{#1}
138   \ifx\CJKpunct@temp\@empty
139     \def\CJKpunct@temp{}
140   \else
141     \def\CJKpunct@temp{\CJKpunct@@setmarginkerning}
142     \ifnum\CJKpunct@cmta<12
143       \def\CJKpunct@lr{1}
144     \else
145       \def\CJKpunct@lr{r}
146     \fi
147     \edef\CJKpunct@encpn{\csname CJKpunct@pn@\CJK@enc @\the\CJKpunct@cmta\endcsname}
148     \if 1\CJKpunct@lr
149       \expandafter\gdef\csname CJKpunct@\CJK@enc @\CJKpunct@encpn\endcsname{1}
150     \else
151       \expandafter\gdef\csname CJKpunct@\CJK@enc @\CJKpunct@encpn\endcsname{2}
152     \fi
153
154     \@CJKpunct@dokerningtrue
155     \ifnum\CJKpunct@punctstyle=\CJKpunct@ps@plain\relax
156       \@CJKpunct@dokerningfalse
157     \else

```

```

158     \ifcsname CJKpunct@specialpunct\CJK@enc\CJKpunct@encpn\endcsname
159         \@CJKpunct@dokerningfalse
160     \fi
161 \fi
162
163 \ifnum\CJKpunct@punctstyle=\CJKpunct@ps@banjiao
164     \def\CJKpunct@sidespaces{12}
165 \else
166     \def\CJKpunct@sidespaces{15}
167 \fi
168
169 \ifnum\CJKpunct@cmta=12\relax
170     {\CJKpunct@cntb=#1\relax
171     \advance\CJKpunct@cntb #2\relax
172     \advance\CJKpunct@cntb 2\relax
173     \CJKpunct@numtostring{\CJKpunct@cntb}
174     \edef\CJKpunct@temp{\csname CJKpunct@pn@\CJK@enc @12\endcsname}
175     \CJKpunct@cntc=0\relax
176     \loop
177         \global\expandafter\edef\csname CJKpunct\the\CJKpunct@cntc
178             \@CJK@enc \@CJKpunct@family @kern\CJKpunct@temp \@CJKpunct@temp\endcsname{
179             -0.\CJKpunct@decimal em}
180         \advance \CJKpunct@cntc 1\relax
181     \ifnum\CJKpunct@cntc<6\repeat}
182 \fi
183 \if@CJKpunct@dokerning
184     \CJKpunct@cntb=#1\relax
185     \advance\CJKpunct@cntb -\CJKpunct@sidespaces\relax
186     \ifnum\CJKpunct@cntb<0\relax
187         \CJKpunct@cntb=0\relax
188     \fi
189     \CJKpunct@cntc=#2\relax
190     \advance\CJKpunct@cntc -\CJKpunct@sidespaces\relax
191     \ifnum\CJKpunct@cntc<0\relax
192         \CJKpunct@cntc=0\relax
193     \fi
194
195     \CJKpunct@cntd=\CJKpunct@cntb
196     \advance\CJKpunct@cntd\CJKpunct@cntc\relax
197
198     \ifcase\CJKpunct@punctstyle
199         % hangmobanjiao
200     \or % quanjiao
201     \or % banjiao

```

```

202     \advance\CJKpunct@cntd -50\relax
203 \or % kaiming
204     \ifcsname CJKpunct@kaiming\CJK@enc\CJKpunct@encpn\endcsname
205     \else
206         \advance\CJKpunct@cntd -50\relax
207     \fi
208 \or %CCT
209     \advance\CJKpunct@cntd -20\relax
210 \fi
211 \CJKpunct@cnte=\CJKpunct@cntd
212 \ifnum\CJKpunct@cntd<0\relax
213     \CJKpunct@cntd=0\relax
214 \fi
215 \else
216     \CJKpunct@cntb=0\relax
217     \CJKpunct@cntc=0\relax
218     \CJKpunct@cntd=0\relax
219     \CJKpunct@cnte=0\relax
220 \fi
221 \CJKpunct@numtostring{\CJKpunct@cntb}
222 \global\expandafter\edef\csname CJKpunct\CJKpunct@punctstyle
223     @\CJK@enc @\CJKpunct@family @lrule@\CJKpunct@encpn\endcsname{
224     -0.\CJKpunct@decimal em}
225 \CJKpunct@numtostring{\CJKpunct@cntc}
226 \global\expandafter\edef\csname CJKpunct\CJKpunct@punctstyle
227     @\CJK@enc @\CJKpunct@family @rrule@\CJKpunct@encpn\endcsname{
228     -0.\CJKpunct@decimal em}
229 \CJKpunct@numtostring{\CJKpunct@cntd}
230 \global\expandafter\edef\csname CJKpunct\CJKpunct@punctstyle
231     @\CJK@enc @\CJKpunct@family @\CJKpunct@lr glue@\CJKpunct@encpn\endcsname{
232     0.\CJKpunct@decimal em}
233 \global\expandafter\edef\csname CJKpunct\CJKpunct@punctstyle
234     @\CJK@enc @\CJKpunct@family @\CJKpunct@lr oglue@\CJKpunct@encpn\endcsname{
235     \the\CJKpunct@cnte}
236 \fi
237 \advance \CJKpunct@canta 1\relax
238 \CJKpunct@temp}
239
240 \def\CJKpunct@numtostring#1{
241     \edef\CJKpunct@decimal{\the#1}
242     \ifnum\CJKpunct@decimal<10\relax
243         \edef\CJKpunct@decimal{0\CJKpunct@decimal}
244     \fi}

```


设置相邻标点之间的距离

```
245 \def\CJKpunct@setkern#1#2{
246   \ifcsname CJKpunct\CJKpunct@punctstyle @\CJK@enc @\CJKpunct@family @kern#1@#2\endcsname
247   \else
248     \CJKpunct@canta=0\relax
249     \ifcsname CJKpunct\CJKpunct@punctstyle @\CJK@enc @\CJKpunct@family @roglue@#1\endcsname
250     \advance\CJKpunct@canta\csname
251       CJKpunct\CJKpunct@punctstyle @\CJK@enc @\CJKpunct@family @roglue@#1\endcsname
252     \fi
253     \ifcsname CJKpunct\CJKpunct@punctstyle @\CJK@enc @\CJKpunct@family @loglue@#2\endcsname
254     \advance\CJKpunct@canta\csname CJKpunct\CJKpunct@punctstyle @\CJK@enc @\CJKpunct@family
255       @loglue@#2\endcsname
256     \fi
257     \relax
258     \ifcase\CJKpunct@punctstyle
259       % hangmoban jiao
260     \or % quan jiao
261       \advance\CJKpunct@canta -50\relax
262     \or % ban jiao
263     \or % kaiming
264       \ifcsname CJKpunct@kaiming\CJK@enc#1\endcsname
265       \advance\CJKpunct@canta -\csname CJKpunct\CJKpunct@punctstyle @\CJK@enc
266         @\CJKpunct@family @roglue@#1\endcsname
267       \ifcsname CJKpunct\CJKpunct@punctstyle @\CJK@enc @\CJKpunct@family @loglue@#2\endcsname
268       \advance\CJKpunct@canta -50\relax
269       \fi
270     \fi
271     \fi
272     \ifnum\CJKpunct@canta<0\relax
273       \CJKpunct@canta=0\relax
274     \fi
275     \CJKpunct@numtostring{\CJKpunct@canta}
276     \global\expandafter\edef\csname
277       CJKpunct\CJKpunct@punctstyle @\CJK@enc @\CJKpunct@family @kern#1@#2\endcsname{
278       0.\CJKpunct@decimal em}
279     \fi}
```

CJKfntef 宏包兼容命令:

```
280
281 \let\CJKpunct@unskip\unskip
282 \def\CJKpunct@UL@unskip{
283   \ifcsname CJKpunct\CJKpunct@punctstyle @\CJK@enc @\CJKpunct@family
284     @roglue@\CJKpunct@lastpunct\endcsname
```

```

285     \hskip -\csname CJKpunct\CJKpunct@punctstyle @\CJK@enc @\CJKpunct@family
286         @rglue@\CJKpunct@lastpunct\endcsname \relax
287     \fi}
288
289 \@ifundefined{UL@hskip}{\let\UL@hskip\relax}{}
290
291 \def\CJKpunct@punctUL@group{
292     \ifx\hskip\UL@hskip
293         \egroup
294         \UL@stop
295         \UL@start
296         \bgroup
297     \fi}
298
299 \def\CJKpunct@ULspecials{}
300
301 \AtBeginDocument{
302     \ifcsname UL@hook\endcsname
303         \addto@hook\UL@hook{\let\CJK@ignorespaces\ignorespaces
304             \let\CJKpunct@unskip\CJKpunct@UL@unskip
305             \let\CJKpunct@ULspecials\CJKpunct@punctUL@group}
306     \fi}

```

设置相邻标点间是否允许换行（缺省不允许）。

```

307 \def\CJKpunctallowbreakbetweenpuncts{
308     \def\CJKpunct@nobreak{
309         \ifnum\CJKpunct@lastcharclass=2
310             \hskip 0pt
311         \fi}}
312
313 \def\CJKpunctnobreakbetweenpuncts{
314     \let\CJKpunct@nobreak\nobreak}
315 \CJKpunctnobreakbetweenpuncts

```

标点符号样式：

```

316 \def\CJKpunctstyle#1{
317     \ifcsname CJKpunct@ps@#1\endcsname
318         \edef\CJKpunct@currentpunctstyle{#1}
319         \edef\CJKpunct@punctstyle{\csname CJKpunct@ps@#1\endcsname}
320         \ifnum\CJKpunct@punctstyle=\CJKpunct@ps@plain\relax
321             \CJKpunctallowbreakbetweenpuncts
322             \let\CJK@testLastCJK\CJKo@testLastCJK
323             \let\CJK@testLastKern\CJKo@testLastKern

```

```

324 \let\CJK@testPrePunct\CJKo@testPrePunct
325 \let\CJK@testPostPunct\CJKo@testPostPunct
326 \let\CJKpunct@punctsymbol\CJKpunct@plainpunctsymbol
327 \let\CJKsymbol\CJKosymbol
328 \let\CJKpunctsymbol\CJKopunctsymbol
329 \let\CJK@nobreakglue\CJKo@nobreakglue
330 \let\CJKpunct@utfsymbol\CJKpunct@utfbsymbol
331 \else
332 \let\CJK@testLastCJK\CJKpunct@testLastCJK
333 \let\CJK@testLastKern\CJKpunct@testLastKern
334 \let\CJK@testPrePunct\CJKpunct@testPrePunct
335 \let\CJK@testPostPunct\CJKpunct@testPostPunct
336 \let\CJKpunct@punctsymbol\CJKpunct@punctsymbol
337 \let\CJKsymbol\CJKpunct@CJKsymbol
338 \let\CJKpunctsymbol\CJKpunct@CJKpunctsymbol
339 \let\CJK@nobreakglue\relax
340 \let\CJKpunct@utfsymbol\CJKpunct@utfasymbol
341 \fi
342 \else
343 \PackageWarning{CJKpunct}{Punctstyle #1\space is not defined.}\relax
344 \fi}
345
346 \let\punctstyle\CJKpunctstyle
347 \def\CJKpunct@ps@hangmobanjiangiao{0}
348 \def\CJKpunct@ps@marginkerning{0}
349 \def\CJKpunct@ps@quanjiangiao{1}
350 \def\CJKpunct@ps@fullwidth{1}
351 \def\CJKpunct@ps@banjiangiao{2}
352 \def\CJKpunct@ps@halfwidth{2}
353 \def\CJKpunct@ps@kaiming{3}
354 \def\CJKpunct@ps@mixedwidth{3}
355 \def\CJKpunct@ps@CCT{4}
356 \def\CJKpunct@ps@plain{5}
357 \AtBeginDocument{\punctstyle{quanjiangiao}}
358
359 \def\CJKplainout{\punctstyle{plain}}
360 \let\CJKnormalout\relax

```

允许用户使用 `\CJKpunctsetkern` 调整相邻标点之间的距离

```

361 \def\CJKpunctsetkern#1#2#3{
362 \CJKpunct@setplanenumber{#1}
363 \edef\CJKpunct@pna{\CJKpunct@char@pn}
364 \CJKpunct@setplanenumber{#2}
365 \edef\CJKpunct@pnb{\CJKpunct@char@pn}

```

```

366 \global\expandafter\edef\csname CJKpunct\CJKpunct@punctstyle
367     @\CJK@enc @\CJKpunct@family @kern\CJKpunct@pna @\CJKpunct@pnb\endcsname{
368     #3}}
369
370 \def\CJKpunct@setplanenumber#1{{
371     \def\CJK@testPrePunct##1##2##3{
372         \global\edef\CJKpunct@charplane{\CJK@plane}
373         \global\edef\CJKpunct@charnumber{\the\@tempcnta}}
374     \savebox\voidb@x{#1}
375     \global\edef\CJKpunct@char@pn{\CJKpunct@charplane/\CJKpunct@charnumber}}
376
377 %
378 % 标点符号表，不能改变顺序!!
379 % pre “『『『『〔〔〔〔{ {{《《【
380 % post —…、。、。、。、;!?%))]]} }》】’ ”]]

```

设置标点符号所对应 CJKplane 和字符序号，与编码有关。

```

381 \def\CJKpunct@punctlist#1{
382     \CJKpunct@canta=0\relax
383     \def\CJKpunct@enc{#1}
384     \CJKpunct@setpunctfamilynumber}
385
386 \def\CJKpunct@setpunctfamilynumber#1,{
387     \edef\CJKpunct@temp{#1}
388     \ifx\CJKpunct@temp\@empty
389         \def\CJKpunct@temp{}
390     \else
391         \expandafter\def\csname CJKpunct@pn@\CJKpunct@enc @\the\CJKpunct@canta\endcsname{#1}
392         \advance \CJKpunct@canta 1\relax
393         \def\CJKpunct@temp{\CJKpunct@setpunctfamilynumber}
394     \fi
395     \CJKpunct@temp}
396
397 \CJKpunct@punctlist{C70}20/24,20/28,30/12,30/14,30/20,ff/8,ff/59,ff/91,%
398 30/8,30/10,30/22,30/16,%
399 20/20,20/38,30/1,30/2,ff/12,ff/14,ff/26,ff/27,ff/1,ff/31,ff/5,30/21,ff/9,%
400 ff/61,ff/93,30/9,30/11,30/23,30/17,20/25,20/29,30/13,30/15,,
401
402 %gb
403 \CJKpunct@punctlist{C10}01/13,01/15,01/23,01/25,01/17,01/195,01/246,02/22,01/19,%
404 01/21,01/27,01/29,%
405 01/9,01/12,01/1,01/2,01/199,01/201,01/213,01/214,01/188,01/218,01/192,01/18,%
406 01/196,01/248,02/24,01/20,01/22,01/28,01/30,01/14,01/16,01/24,01/26,,
407

```

```

408 %gbk
409 \CJKpunct@punctlist{C19}25/45,25/47,25/55,25/57,25/49,26/163,26/214,26/246,25/51,%
410 25/53,25/59,25/61,%
411 25/41,25/44,25/33,25/34,26/167,26/169,26/181,26/182,26/156,26/186,26/160,%
412 25/50,26/164,26/216,26/248,25/52,25/54,25/60,25/62,25/46,25/48,25/56,25/58,,
413
414 \def\CJKpunct@totalpuncts{35}

      恢复 CJKutf8 重定义的引号

415 \ifcsname DeclareUnicodeCharacter\endcsname
416 \DeclareUnicodeCharacter{2018}{\CJKpunct@utfsymbol{"80"}{"98}}
417 \DeclareUnicodeCharacter{2019}{\CJKpunct@utfsymbol{"80"}{"99}}
418 \DeclareUnicodeCharacter{201C}{\CJKpunct@utfsymbol{"80"}{"9C}}
419 \DeclareUnicodeCharacter{201D}{\CJKpunct@utfsymbol{"80"}{"9D}}
420 \DeclareUnicodeCharacter{2014}{\CJKpunct@utfsymbol{"80"}{"94}}
421 \DeclareUnicodeCharacter{2026}{\CJKpunct@utfsymbol{"80"}{"A6}}
422 \fi
423 \def\CJKpunct@utfasymbol#1#2{
424 \CJK@punctchar{\CJK@uniPunct}{0}{#1}{#2}}
425 \def\CJKpunct@utfbsymbol#1#2{
426 \ifnum #2=148 %
427 \textemdash
428 \else
429 \ifnum #2=166 %
430 \textellipsis
431 \else
432 \ifnum #2=152 %
433 \textquoteleft
434 \else
435 \ifnum #2=153 %
436 \textquoteright
437 \else
438 \ifnum #2=156 %
439 \textquotedblleft
440 \else
441 \ifnum #2=157 %
442 \textquotedblright
443 \fi
444 \fi
445 \fi
446 \fi
447 \fi
448 \fi}

```

省略号和破折号:

```
449 \def\CJKpunct@setspecialpunct#1#2{
450 \expandafter\def\csname CJKpunct@specialpunct#1#2\endcsname{}}
451 \CJKpunct@setspecialpunct{C70}{20/20}
452 \CJKpunct@setspecialpunct{C70}{20/38}
453 \CJKpunct@setspecialpunct{C19}{25/41}
454 \CJKpunct@setspecialpunct{C19}{25/44}
455 \CJKpunct@setspecialpunct{C10}{01/9}
456 \CJKpunct@setspecialpunct{C10}{01/12}
```

开明式中的全角标点。

```
457 \def\CJKpunct@setkaimingpunct#1#2{
458 \expandafter\def\csname CJKpunct@kaiming#1#2\endcsname{}}
459 \CJKpunct@setkaimingpunct{C70}{30/02}
460 \CJKpunct@setkaimingpunct{C70}{ff/1}
461 \CJKpunct@setkaimingpunct{C70}{ff/31}
462 \CJKpunct@setkaimingpunct{C19}{25/34}
463 \CJKpunct@setkaimingpunct{C19}{26/156}
464 \CJKpunct@setkaimingpunct{C19}{26/186}
465 \CJKpunct@setkaimingpunct{C10}{01/2}
466 \CJKpunct@setkaimingpunct{C10}{01/188}
467 \CJKpunct@setkaimingpunct{C10}{01/218}
```

缺省标点符号宽度

```
468 \def\CJKpunct@def@spaces{69,18,60,6,63,2,63,3,69,8,69,6,69,1,39,%
469 37,63,4,56,2,63,5,63,6,6,6,12,11,23,50,24,54,16,71,20,69,12,76,13,%
470 74,26,61,3,50,3,4,8,69,6,69,2,69,38,39,4,62,2,55,5,62,7,62,16,71,9,%
471 58,3,62,3,62,, ,}
```

调入字体相关的设置

```
472 \InputIfFileExists{CJKpunct.spa}{-}{-}
473
474 \endlinechar ‘\^~M
```

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