

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 source/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{}{}{}{}{<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.spac 文件

文件 `CJKpunct.spac` 保存了字体相关的标点符号宽度。制作方法请参考 `source/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 exist
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@cna=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\CJKpunct@punctstyle
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@cpte=\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@cpte=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@cpte}
236     \fi
237     \advance \CJKpunct@cpta 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@cmta=0\relax
249     \ifcsname CJKpunct\CJKpunct@punctstyle @\CJK@enc @\CJKpunct@family @roglue@#1\endcsname
250     \advance\CJKpunct@cmta\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@cmta\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@cmta -50\relax
262     \or % ban jiao
263     \or % kaiming
264       \ifcsname CJKpunct@kaiming#1\endcsname
265       \ifcsname CJKpunct\CJKpunct@punctstyle @\CJK@enc @\CJKpunct@family @loglue@#2\endcsname
266       \advance\CJKpunct@cmta -50\relax
267       \fi
268     \fi
269   \fi
270   \ifnum\CJKpunct@cmta<0\relax
271     \CJKpunct@cmta=0\relax
272   \fi
273   \CJKpunct@numtostring{\CJKpunct@cmta}
274   \global\expandafter\edef\csname
275     CJKpunct\CJKpunct@punctstyle @\CJK@enc @\CJKpunct@family @kern#1@#2\endcsname{
276     0.\CJKpunct@decimal em}
277   \fi}
```

CJKfntef 宏包兼容命令:

```
278
279 \let\CJKpunct@unskip\unskip
280 \def\CJKpunct@UL@unskip{
281   \ifcsname CJKpunct\CJKpunct@punctstyle @\CJK@enc @\CJKpunct@family
282     @roglue@\CJKpunct@lastpunct\endcsname
283   \hskip -\csname CJKpunct\CJKpunct@punctstyle @\CJK@enc @\CJKpunct@family
284     @roglue@\CJKpunct@lastpunct\endcsname \relax
```

```

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

```

设置相邻标点间是否允许换行（缺省不允许）。

```

305 \def\CJKpunctallowbreakbetweenpuncts{
306 \def\CJKpunct@nobreak{
307 \ifnum\CJKpunct@lastcharclass=2
308 \hskip Opt
309 \fi}}
310
311 \def\CJKpunctnobreakbetweenpuncts{
312 \let\CJKpunct@nobreak\nobreak}
313 \CJKpunctnobreakbetweenpuncts

```

标点符号样式：

```

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

```

```

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

```

允许用户使用 `\CJKpunctsetkern` 调整相邻标点之间的距离

```

359 \def\CJKpunctsetkern#1#2#3{
360 \CJKpunct@setplanenumber{#1}
361 \edef\CJKpunct@pna{\CJKpunct@char@pn}
362 \CJKpunct@setplanenumber{#2}
363 \edef\CJKpunct@pnb{\CJKpunct@char@pn}
364 \global\expandafter\edef\csname CJKpunct\CJKpunct@punctstyle
365 @\CJK@enc @\CJKpunct@family @kern\CJKpunct@pna @\CJKpunct@pnb\endcsname{

```



```

408 25/53,25/59,25/61,%
409 25/41,25/44,25/33,25/34,26/167,26/169,26/181,26/182,26/156,26/186,26/160,%
410 25/50,26/164,26/216,26/248,25/52,25/54,25/60,25/62,25/46,25/48,25/56,25/58,,
411
412 \def\CJKpunct@totalpuncts{35}

```

恢复 CJKutf8 重定义的引号

```

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

```

省略号和破折号:

```

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

```

开明式中的全角标点。

```

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

```

缺省标点符号宽度

```

466 \def\CJKpunct@def@spaces{69,18,60,6,63,2,63,3,69,8,69,6,69,1,39,%
467 37,63,4,56,2,63,5,63,6,6,6,12,11,23,50,24,54,16,71,20,69,12,76,13,%
468 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,%
469 58,3,62,3,62,, ,}

```

调入字体相关的设置

```

470 \IfFileExists{CJKpunct.spa}{\input{CJKpunct.spa}}{}
471
472 \endlinechar ‘\^~M

```

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