

The `hologo` package

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Abstract

This package starts a collection of logos with support for bookmarks strings.

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1 Documentation

`\hologo {<name>}`

Macro `\hologo` sets the logo with name `<name>`. The following table shows the supported names.

name	logo	since
eTeX	ε -TeX	2010/04/08
LaTeX	L ^A T _E X	2010/04/08
LaTeX2e	L ^A T _E X 2 _ε	2010/04/08
LaTeXe	L ^A T _E X 2 _ε	2010/04/08
LuaLaTeX	LuaL ^A T _E X	2010/04/08
LuaTeX	LuaT _E X	2010/04/08
pdfTeX	pdfT _E X	2010/04/08
pdfLaTeX	pdfL ^A T _E X	2010/04/08
plainTeX	plain T _E X	2010/04/08
TeX	T _E X	2010/04/08
XeLaTeX	X _ε L ^A T _E X	2010/04/08
XeTeX	X _ε T _E X	2010/04/08

2 Implementation

```
1 (*package)
```

Reload check, especially if the package is not used with L^AT_EX.

```
2 \begingroup
3   \catcode44 12 % ,
4   \catcode45 12 % -
5   \catcode46 12 % .
6   \catcode58 12 % :
7   \catcode64 11 % @
8   \catcode123 1 % {
9   \catcode125 2 % }
10  \expandafter\let\expandafter\x\csname ver@hologo.sty\endcsname
11  \ifx\x\relax % plain-TeX, first loading
12  \else
13    \def\empty{}%
14    \ifx\x\empty % LaTeX, first loading,
15      % variable is initialized, but \ProvidesPackage not yet seen
16    \else
17      \catcode35 6 % #
18      \expandafter\ifx\csname PackageInfo\endcsname\relax
19        \def\x#1#2{%
20          \immediate\write-1{Package #1 Info: #2.}%
21        }%
22      \else
23        \def\x#1#2{\PackageInfo{#1}{#2, stopped}}%
24      \fi
25      \x{hologo}{The package is already loaded}%
26      \aftergroup\endinput
27    \fi
28  \fi
29 \endgroup
```

Package identification:

```
30 \begingroup
31   \catcode35 6 % #
32   \catcode40 12 % (
33   \catcode41 12 % )
34   \catcode44 12 % ,
35   \catcode45 12 % -
36   \catcode46 12 % .
37   \catcode47 12 % /
38   \catcode58 12 % :
39   \catcode64 11 % @
40   \catcode91 12 % [
41   \catcode93 12 % ]
42   \catcode123 1 % {
```

```

43 \catcode125 2 % }
44 \expandafter\ifx\csname ProvidesPackage\endcsname\relax
45 \def\x#1#2#3[#4]{\endgroup
46 \immediate\write-1{Package: #3 #4}%
47 \xdef#1{#4}%
48 }%
49 \else
50 \def\x#1#2[#3]{\endgroup
51 #2[#3]}%
52 \ifx#1\@undefined
53 \xdef#1{#3}%
54 \fi
55 \ifx#1\relax
56 \xdef#1{#3}%
57 \fi
58 }%
59 \fi
60 \expandafter\x\csname ver@hologo.sty\endcsname
61 \ProvidesPackage{hologo}%
62 [2010/04/08 v1.0 Logo collection (HO)]
63 \begingroup
64 \catcode123 1 % {
65 \catcode125 2 % }
66 \def\x{\endgroup
67 \expandafter\edef\csname HOLOGO@AtEnd\endcsname{%
68 \catcode35 \the\catcode35\relax
69 \catcode64 \the\catcode64\relax
70 \catcode123 \the\catcode123\relax
71 \catcode125 \the\catcode125\relax
72 }%
73 }%
74 \x
75 \catcode35 6 % #
76 \catcode64 11 % @
77 \catcode123 1 % {
78 \catcode125 2 % }
79 \def\TMP@EnsureCode#1#2{%
80 \edef\HOLOGO@AtEnd{%
81 \HOLOGO@AtEnd
82 \catcode#1 \the\catcode#1\relax
83 }%
84 \catcode#1 #2\relax
85 }
86 \TMP@EnsureCode{10}{12}% ^^J
87 \TMP@EnsureCode{33}{12}% !
88 \TMP@EnsureCode{36}{3}% $
89 \TMP@EnsureCode{39}{12}% '
90 \TMP@EnsureCode{40}{12}% (
91 \TMP@EnsureCode{41}{12}% )
92 \TMP@EnsureCode{42}{12}% *
93 \TMP@EnsureCode{43}{12}% +
94 \TMP@EnsureCode{44}{12}% ,
95 \TMP@EnsureCode{45}{12}% -
96 \TMP@EnsureCode{46}{12}% .
97 \TMP@EnsureCode{47}{12}% /
98 \TMP@EnsureCode{58}{12}% :
99 \TMP@EnsureCode{59}{12}% ;
100 \TMP@EnsureCode{60}{12}% <
101 \TMP@EnsureCode{61}{12}% =
102 \TMP@EnsureCode{62}{12}% >
103 \TMP@EnsureCode{63}{12}% ?
104 \TMP@EnsureCode{91}{12}% [

```

```

105 \TMP@EnsureCode{93}{12}% ]
106 \TMP@EnsureCode{94}{7}% ^ (superscript)
107 \TMP@EnsureCode{95}{8}% _ (subscript)
108 \TMP@EnsureCode{96}{12}% '
109 \TMP@EnsureCode{124}{12}% |
110 \edef\HOLOGO@AtEnd{%
111   \HOLOGO@AtEnd
112   \escapechar\the\escapechar\relax
113   \noexpand\endinput
114 }
115 \escapechar=92 %

```

2.1 Load resources

```

116 \begingroup\expandafter\expandafter\expandafter\endgroup
117 \expandafter\ifx\csname RequirePackage\endcsname\relax
118   \input ltxcmds.sty\relax
119   \input infwarerr.sty\relax
120   \input kvsetkeys.sty\relax
121   \input pdftexcmds.sty\relax
122   \input ifpdf.sty\relax
123   \input ifluatex.sty\relax
124   \input ifxetex.sty\relax
125   \input ifvtex.sty\relax
126 \else
127   \RequirePackage{ltxcmds}[2010/04/08]%
128   \RequirePackage{infwarerr}[2010/04/08]%
129   \RequirePackage{kvsetkeys}[2010/03/01]%
130   \RequirePackage{pdftexcmds}[2010/04/01]%
131   \RequirePackage{ifpdf}[2010/01/28]%
132   \RequirePackage{ifluatex}[2010/03/01]%
133   \RequirePackage{ifxetex}[2009/01/23]%
134   \RequirePackage{ifvtex}[2010/03/01]%
135 \fi

```

\HOLOGO@IfDefined

```

136 \def\HOLOGO@IfExists#1{%
137   \ifx\@undefined#1%
138     \expandafter\ltx@secondoftwo
139   \else
140     \ifx\relax#1%
141       \expandafter\ltx@secondoftwo
142     \else
143       \expandafter\expandafter\expandafter\ltx@firstoftwo
144     \fi
145   \fi
146 }

```

2.2 \hologo

```

147 \HOLOGO@IfExists\hologo{%
148   \@PackageError{hologo}{%
149     \string\hologo\ltx@space is already defined.\MessageBreak
150     Package loading is aborted%
151   }\@ehc
152   \HOLOGO@AtEnd
153 }
154 \HOLOGO@IfExists\hologorobust{%
155   \@PackageError{hologo}{%
156     \string\hologorobust\ltx@space is already defined.\MessageBreak
157     Package loading is aborted%
158   }\@ehc
159   \HOLOGO@AtEnd

```

```

160 }

\hologorobust

161 \ltx@ifundefined{protected}{%
162   \ltx@ifundefined{DeclareRobustCommand}{%
163     \def\hologorobust#1%
164   }{%
165     \DeclareRobustCommand*\hologorobust[1]%
166   }%
167 }{%
168   \protected\def\hologorobust#1%
169 }%
170 {%
171   \ltx@ifundefined{HoLogo@#1}{%
172     \@PackageError{holologo}{%
173       Unknown logo ‘#1’%
174     }\@ehc
175     ?#1?%
176   }{%
177     \csname HoLogo@#1\endcsname
178   }%
179 }

\holologo

180 \def\holologo#1{%
181   \HOLOGO@ifExists\texorpdfstring\texorpdfstring\ltx@firstoftwo
182   {%
183     \hologorobust{#1}%
184   }{%
185     \ltx@ifundefined{HoLogoBkm@#1}{%
186       \ltx@ifundefined{HoLogo@#1}{?#1?}{#1}%
187     }{%
188       \csname HoLogoBkm@#1\endcsname
189     }%
190   }%
191 }

```

2.3 Helpers

```

\HOLOGO@PdfdocUnicode

192 \def\HOLOGO@PdfdocUnicode{%
193   \ifx\ifHy@unicode\iftrue
194     \expandafter\ltx@secondoftwo
195   \else
196     \expandafter\ltx@firstoftwo
197   \fi
198 }

\HOLOGO@Math

199 \def\HOLOGO@MathSetup{%
200   \mathsurroundOpt\relax
201   \HOLOGO@ifExists\f@series{%
202     \if b\expandafter\ltx@car\f@series x\@nil
203     \csname boldmath\endcsname
204   \fi
205   }{%}%
206 }

\HOLOGO@TempDimen

207 \dimendef\HOLOGO@TempDimen=\ltx@zero

```

`\HOLOGO@NegativeKerning`

```

208 \def\HOLOGO@NegativeKerning#1{%
209   \begingroup
210     \HOLOGO@TempDimen=0pt\relax
211     \comma@parse@normalized{#1}{%
212       \ifdim\HOLOGO@TempDimen=0pt %
213         \expandafter\HOLOGO@@NegativeKerning\comma@entry
214       \fi
215       \ltx@gobble
216     }%
217     \ifdim\HOLOGO@TempDimen<0pt %
218       \kern\HOLOGO@TempDimen
219     \fi
220   \endgroup
221 }

```

`\HOLOGO@@NegativeKerning`

```

222 \def\HOLOGO@@NegativeKerning#1#2{%
223   \setbox\ltx@zero\hbox{#1#2}%
224   \HOLOGO@TempDimen=\wd\ltx@zero
225   \setbox\ltx@zero\hbox{#1\kern0pt#2}%
226   \advance\HOLOGO@TempDimen by -\wd\ltx@zero
227 }

```

2.4 $\mathrm{T}_{\mathrm{E}}\mathrm{X}$ and friends

2.4.1 $\mathrm{T}_{\mathrm{E}}\mathrm{X}$

`\HoLogo@TeX` Source: $\mathrm{L}^{\mathrm{A}}\mathrm{T}_{\mathrm{E}}\mathrm{X}$ kernel.

```

228 \def\HoLogo@TeX{%
229   T\kern-.1667em\lower.5ex\hbox{E}\kern-.125emX\spacefactor1000 %
230 }

```

2.4.2 plain $\mathrm{T}_{\mathrm{E}}\mathrm{X}$

`\HoLogo@plainTeX` Source: “The $\mathrm{T}_{\mathrm{E}}\mathrm{X}$ book”

```

231 \def\HoLogo@plainTeX{%
232   plain \hologo{TeX}%
233 }

```

`\HoLogoBkm@plainTeX`

```

234 \def\HoLogoBkm@plainTeX{%
235   plain \hologo{TeX}%
236 }

```

2.4.3 $\mathrm{L}^{\mathrm{A}}\mathrm{T}_{\mathrm{E}}\mathrm{X}$

`\HoLogo@LaTeX` Source: $\mathrm{L}^{\mathrm{A}}\mathrm{T}_{\mathrm{E}}\mathrm{X}$ kernel.

```

237 \def\HoLogo@LaTeX{%
238   L%
239   \kern-.36em%
240   \begingroup
241     \setbox\ltx@zero\hbox{T}%
242     \vbox to\ht\ltx@zero{%
243       \hbox{%
244         \ltx@ifundefined{check@mathfonts}{%
245           \csname sevenrm\endcsname
246         }{%
247           \check@mathfonts
248           \fontsize\sf@size\z@
249           \math@fontsfalse\selectfont

```

```

250      }%
251      A%
252      }%
253      \vss
254      }%
255 \endgroup
256 \kern-.15em%
257 \hologo{TeX}%
258 }

```

2.4.4 L^AT_EX 2_ε

\HoLogo@LaTeXe Source: L^AT_EX kernel

```

259 \def\HoLogo@LaTeXe{%
260   \hologo{LaTeX}%
261   \kern.15em%
262   \hbox{%
263     \HOLOGO@MathSetup
264     2%
265     $_{\textstyle\varepsilon}$%
266   }%
267 }

```

\HoLogoBkm@LaTeXe

```

268 \def\HoLogoBkm@LaTeXe{%
269   \hologo{LaTeX}%
270   2%
271   \HOLOGO@PdfdocUnicode{e}{\textepsilon}%
272 }

```

\HoLogo@LaTeX2e

```

273 \expandafter\let\csname HoLogo@LaTeX2e\endcsname\HoLogo@LaTeXe

```

\HoLogoBkm@LaTeX2e

```

274 \expandafter\let\csname HoLogoBkm@LaTeX2e\endcsname\HoLogoBkm@LaTeXe

```

2.4.5 ε-TeX

\HoLogo@eTeX Source: package etex

```

275 \def\HoLogo@eTeX{%
276   \leavevmode
277   \hbox{%
278     \HOLOGO@MathSetup
279     $\varepsilon$%
280     -%
281     \HOLOGO@NegativeKerning{-T,T-,To}%
282     \hologo{TeX}%
283   }%
284 }

```

\HoLogoBkm@eTeX

```

285 \def\HoLogoBkm@eTeX{%
286   \HOLOGO@PdfdocUnicode{e}{\textepsilon}%
287   -%
288   \hologo{TeX}%
289 }

```

2.4.6 LuaTeX

`\HoLogo@LuaTeX` The kerning is an idea of Hans Hagen, see mailing list ‘`luatex at tug dot org`’ in March 2010.

```
290 \def\HoLogo@LuaTeX{%
291   Lua%
292   \Hologo@NegativeKerning{aT,oT,To}%
293   \hologo{TeX}%
294 }
```

2.4.7 LuaLaTeX

`\HoLogo@LuaLaTeX`

```
295 \def\HoLogo@LuaLaTeX{%
296   Lua%
297   \hologo{LaTeX}%
298 }
```

2.4.8 XeTeX, XeLaTeX

`\HoLogo@Xe` Source: package `dtklogos`

```
299 \def\HoLogo@Xe{%
300   X%
301   \kern-.1em\relax
302   \ltx@ifundefined{Hologo@ReflectBox}\ltx@firstoftwo{%
303     \ltx@ifundefined{Hologo@ReflectBox@hologodriver}%
304     \ltx@firstoftwo\ltx@secondoftwo
305   }%
306   {e}{%
307     \lower.5ex\hbox{%
308       \Hologo@ReflectBox{E}%
309     }%
310   }%
311 }
```

`\HoLogo@XeTeX`

```
312 \def\HoLogo@XeTeX{%
313   \hologo{Xe}%
314   \kern-.15em\relax
315   \hologo{TeX}%
316 }
```

`\HoLogoBkm@XeTeX`

```
317 \def\HoLogoBkm@XeTeX{XeTeX}
```

`\HoLogo@XeLaTeX`

```
318 \def\HoLogo@XeLaTeX{%
319   \hologo{Xe}%
320   \hologo{LaTeX}%
321 }
```

2.4.9 pdfTeX, pdfLaTeX

`\HoLogo@pdfTeX`

```
322 \def\HoLogo@pdfTeX{%
323   pdf\hologo{TeX}%
324 }
```

`\HoLogo@pdfLaTeX`

```
325 \def\HoLogo@pdfLaTeX{%
326   pdf\hologo{LaTeX}%
327 }
```


2.5 Driver detection

```

328 \HOLOGO@ifExists\InputIfFileExists{%
329   \InputIfFileExists{holologo.cfg}{%}%
330 }{%
331   \ltx@ifundefined{pdf@filesize}{%
332     \chardef\HOLOGO@temp=15 %
333     \def\HOLOGO@CheckRead{%
334       \ifeof\HOLOGO@temp
335       \else
336         \ifcase\HOLOGO@temp
337           \csname newread\endcsname\HOLOGO@temp
338         \else
339           \begingroup
340             \count\ltx@cclv=\HOLOGO@temp
341             \advance\ltx@cclv by -1 %
342             \edef\x{\endgroup
343               \chardef\noexpand\HOLOGO@temp=\the\count\ltx@cclv\relax
344             }%
345             \x
346             \expandafter\expandafter\expandafter\HOLOGO@CheckRead
347           \fi
348         \fi
349       }%
350     \ifeof\HOLOGO@temp
351       \@PackageWarningNoLine{holologo}{%
352         Configuration file ignored, because\MessageBreak
353         a free read register could not be found%
354       }%
355     \else
356       \openin\HOLOGO@temp=holologo.cfg\relax
357       \ifeof\HOLOGO@temp
358         \closein\HOLOGO@temp
359       \else
360         \closein\HOLOGO@temp
361         \input holologo.cfg\relax
362       \fi
363     \fi
364   }{%
365     \edef\HOLOGO@temp{\pdf@filesize{holologo.cfg}}%
366     \ifx\HOLOGO@temp\ltx@empty
367       \else
368         \input holologo.cfg\relax
369       \fi
370   }%
371 }

372 \ltx@ifundefined{DeclareOption}{%
373   \ltx@gobble
374 }{%
375   \ltx@ifundefined{ProcessOptions}\ltx@gobble\ltx@firstofone
376 }%
377 {%
378   \def\HOLOGO@temp#1#2{%
379     \DeclareOption{#1}{\edef\hologodriver{#2}}%
380   }%
381   \kv@parse@normalized{%
382     pdftex,%
383     luatex=pdftex,%
384     dvipdfm,%
385     dvipdfmx=dvipdfm,%
386     dvips,%
387     dvipsone=dvips,%
388     xdvi=dvips,%

```

```

389     xetex,%
390     vtex,%
391 }{%
392   \ifx\kv@value\relax
393     \expandafter\HOLOGO@temp\expandafter{\kv@key}\kv@key
394   \else
395     \expandafter\HOLOGO@temp\expandafter{\kv@key}\kv@value
396   \fi
397   \ltx@gobbletwo
398 }%
399 \ProcessOptions*%
400 }

```

\hologodriver

```

401 \ifpdf
402   \def\hologodriver{pdftex}%
403   \let\HOLOGO@pdfliteral\pdfliteral
404   \ifluatex
405     \ltx@ifundefined{HOLOGO@pdfliteral}{%
406       \ifnum\luatexversion<36 %
407       \else
408         \begingroup
409           \let\HOLOGO@temp\endgroup
410           \ifcase0%
411             \directlua{%
412               if tex.enableprimitives then %
413                 tex.enableprimitives('HOLOGO@', {'pdfliteral'})%
414             else %
415               tex.print('1')%
416             end%
417             }%
418             \ifx\HOLOGO@pdfliteral\@undefined 1\fi%
419             \relax%
420           \endgroup
421           \let\HOLOGO@temp\relax
422           \global\let\HOLOGO@pdfliteral\HOLOGO@pdfliteral
423         \fi%
424       \HOLOGO@temp
425     \fi
426   }{%}%
427 \fi
428 \ltx@ifundefined{HOLOGO@pdfliteral}{%
429   \@PackageWarningNoLine{hologo}{%
430     Cannot find \string\pdfliteral
431   }%
432 }{%}%
433 \else
434   \ifxetex
435     \def\hologodriver{xetex}%
436   \else
437     \ifvtex
438       \def\hologodriver{vtex}%
439     \fi
440   \fi
441 \fi

```

\HOLOGO@ReflectBox

```

442 \ltx@ifundefined{reflectbox}{-}{%
443   \def\HOLOGO@ReflectBox{%
444     \reflectbox
445   }%
446   \HOLOGO@AtEnd
447 }

```

```

448 \ltx@ifundefined{hologodriver}{%
449   \def\hologodriver{dvips}%
450   \@PackageInfoNoLine{hologo}{Using default driver '\hologodriver'}%
451 }{%
452   \@PackageInfoNoLine{hologo}{Using driver '\hologodriver'}%
453 }
454 \def\HOLOGO@ReflectBox#1{%
455   \ltx@ifundefined{HOLOGO@ReflectBox@\hologodriver}{%
456     \@PackageWarning{hologo}{%
457       Driver '\hologodriver' misses support for \string\reflectbox
458     }%
459     #1%
460   }{%
461     \begingroup
462     \setbox\ltx@zero\hbox{\begingroup#1\endgroup}%
463     \setbox\ltx@two\hbox{%
464       \kern\wd\ltx@zero
465       \csname HOLOGO@ReflectBox@\hologodriver\endcsname{%
466         \hbox to 0pt{\copy\z@\hss}%
467       }%
468     }%
469     \wd\ltx@two=\wd\ltx@zero
470     \box\ltx@two
471   \endgroup
472   }%
473 }

474 \def\HOLOGO@temp#1{%
475   \begingroup
476     \def\x{#1}%
477   \expandafter\endgroup
478   \ifx\x\hologodriver
479     \expandafter\ltx@firstofone
480   \else
481     \expandafter\ltx@gobble
482   \fi
483 }

```

\HOLOGO@ReflectBox@pdftex

```

484 \HOLOGO@temp{pdftex}{%
485   \def\HOLOGO@ReflectBox@pdftex#1{%
486     \HOLOGO@pdfliteral{%
487       q -1 0 0 1 0 0 cm%
488     }%
489     #1%
490     \HOLOGO@pdfliteral{%
491       Q%
492     }%
493   }%
494 }

```

\HOLOGO@ReflectBox@dvips

```

495 \HOLOGO@temp{dvips}{%
496   \def\HOLOGO@ReflectBox@dvips#1{%
497     \special{ps:%
498       gsave %
499       currentpoint %
500       currentpoint translate %
501       -1 1 scale %
502       neg exch neg exch translate%
503     }%
504     #1%

```

```

505     \special{ps:%
506         currentpoint %
507         grestore %
508         moveto%
509     }%
510 }%
511 }

```

\HOLGO@ReflectBox@dvipdfm

```

512 \HOLGO@temp{dvipdfm}{%
513     \let\HOLGO@ReflectBox@dvipdfm\HOLGO@ReflectBox@dvi
514 }

```

Since X_YTEX v0.6.

\HOLGO@ReflectBox@xetex

```

515 \HOLGO@temp{xetex}{%
516     \def\HOLGO@ReflectBox@xetex#1{%
517         \special{x:gsave}%
518         \special{x:scale -1 1}%
519         #1%
520         \special{x:grestore}%
521     }%
522 }

```

\HOLGO@ReflectBox@vtex

```

523 \HOLGO@temp{vtex}{%
524     \def\HOLGO@ReflectBox@vtex#1{%
525         \special{r(-1,0,0,1,0,0}%
526         #1%
527         \special{r})}%
528     }%
529 }

```

```

530 \HOLGO@AtEnd
531 \</package>

```

3 Test

3.1 Catcode checks for loading

```

532 \<test1>
533 \catcode'\{=1 %
534 \catcode'\}=2 %
535 \catcode'\#=6 %
536 \catcode'\@=11 %
537 \expandafter\ifx\csname count\endcsname\relax
538     \countdef\count@=255 %
539 \fi
540 \expandafter\ifx\csname @gobble\endcsname\relax
541     \long\def\@gobble#1{}%
542 \fi
543 \expandafter\ifx\csname @firstofone\endcsname\relax
544     \long\def\@firstofone#1{#1}%
545 \fi
546 \expandafter\ifx\csname loop\endcsname\relax
547     \expandafter\@firstofone
548 \else
549     \expandafter\@gobble
550 \fi
551 {%

```

```

552 \def\loop#1\repeat{%
553   \def\body{#1}%
554   \iterate
555 }%
556 \def\iterate{%
557   \body
558   \let\next\iterate
559   \else
560     \let\next\relax
561   \fi
562   \next
563 }%
564 \let\repeat=\fi
565 }%
566 \def\RestoreCatcodes{}
567 \count@=0 %
568 \loop
569   \edef\RestoreCatcodes{%
570     \RestoreCatcodes
571     \catcode\the\count@=\the\catcode\count@\relax
572   }%
573   \ifnum\count@<255 %
574     \advance\count@ 1 %
575   \repeat
576
577 \def\RangeCatcodeInvalid#1#2{%
578   \count@=#1\relax
579   \loop
580     \catcode\count@=15 %
581     \ifnum\count@<#2\relax
582       \advance\count@ 1 %
583     \repeat
584 }
585 \expandafter\ifx\csname LoadCommand\endcsname\relax
586   \def\LoadCommand{\input hologo.sty\relax}%
587 \fi
588 \def\Test{%
589   \RangeCatcodeInvalid{0}{47}%
590   \RangeCatcodeInvalid{58}{64}%
591   \RangeCatcodeInvalid{91}{96}%
592   \RangeCatcodeInvalid{123}{255}%
593   \catcode'\@=12 %
594   \catcode'\=0 %
595   \catcode'\{=1 %
596   \catcode'\}=2 %
597   \catcode'\#=6 %
598   \catcode'\[=12 %
599   \catcode'\]=12 %
600   \catcode'\%=14 %
601   \catcode'\ =10 %
602   \catcode\l3=5 %
603   \LoadCommand
604   \RestoreCatcodes
605 }
606 \Test
607 \csname @@end\endcsname
608 \end
609 </test1>

```

4 Installation

4.1 Download

Package. This package is available on CTAN¹:

[CTAN:macros/latex/contrib/oberdiek/hologo.dtx](#) The source file.

[CTAN:macros/latex/contrib/oberdiek/hologo.pdf](#) Documentation.

Bundle. All the packages of the bundle ‘oberdiek’ are also available in a TDS compliant ZIP archive. There the packages are already unpacked and the documentation files are generated. The files and directories obey the TDS standard.

[CTAN:install/macros/latex/contrib/oberdiek.tds.zip](#)

TDS refers to the standard “A Directory Structure for \TeX Files” ([CTAN:tds/tds.pdf](#)). Directories with `texmf` in their name are usually organized this way.

4.2 Bundle installation

Unpacking. Unpack the `oberdiek.tds.zip` in the TDS tree (also known as `texmf` tree) of your choice. Example (linux):

```
unzip oberdiek.tds.zip -d ~/texmf
```

Script installation. Check the directory `TDS:scripts/oberdiek/` for scripts that need further installation steps. Package `attachfile2` comes with the Perl script `pdfatfi.pl` that should be installed in such a way that it can be called as `pdfatfi`. Example (linux):

```
chmod +x scripts/oberdiek/pdfatfi.pl
cp scripts/oberdiek/pdfatfi.pl /usr/local/bin/
```

4.3 Package installation

Unpacking. The `.dtx` file is a self-extracting `docstrip` archive. The files are extracted by running the `.dtx` through plain \TeX :

```
tex hologo.dtx
```

TDS. Now the different files must be moved into the different directories in your installation TDS tree (also known as `texmf` tree):

```
hologo.sty      → tex/generic/oberdiek/hologo.sty
hologo-test1.tex → tex/generic/oberdiek/hologo-test1.tex
hologo.pdf      → doc/latex/oberdiek/hologo.pdf
hologo.dtx      → source/latex/oberdiek/hologo.dtx
```

If you have a `docstrip.cfg` that configures and enables `docstrip`’s TDS installing feature, then some files can already be in the right place, see the documentation of `docstrip`.

4.4 Refresh file name databases

If your \TeX distribution (te \TeX , mi \TeX , ...) relies on file name databases, you must refresh these. For example, te \TeX users run `texhash` or `mktextlsr`.

¹<http://ftp.ctan.org/tex-archive/>

4.5 Some details for the interested

Attached source. The PDF documentation on CTAN also includes the `.dtx` source file. It can be extracted by AcrobatReader 6 or higher. Another option is `pdftk`, e.g. unpack the file into the current directory:

```
pdftk hologo.pdf unpack_files output .
```

Unpacking with L^AT_EX. The `.dtx` chooses its action depending on the format:

plain T_EX: Run `docstrip` and extract the files.

L^AT_EX: Generate the documentation.

If you insist on using L^AT_EX for `docstrip` (really, `docstrip` does not need L^AT_EX), then inform the autodetect routine about your intention:

```
latex \let\install=y\input{hologo.dtx}
```

Do not forget to quote the argument according to the demands of your shell.

Generating the documentation. You can use both the `.dtx` or the `.drv` to generate the documentation. The process can be configured by the configuration file `ltxdoc.cfg`. For instance, put this line into this file, if you want to have A4 as paper format:

```
\PassOptionsToClass{a4paper}{article}
```

An example follows how to generate the documentation with pdfL^AT_EX:

```
pdflatex hologo.dtx
makeindex -s gind.ist hologo.idx
pdflatex hologo.dtx
makeindex -s gind.ist hologo.idx
pdflatex hologo.dtx
```

5 History

[2010/04/08 v1.0]

- The first version.

6 Index

Numbers written in *italic* refer to the page where the corresponding entry is described; numbers underlined refer to the code line of the definition; numbers in roman refer to the code lines where the entry is used.

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