

# adfor

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## Abstract

Hirwen Harendal, Arkandis Digital Foundry (ADF) has produced Ornaments ADF. This guide outlines the T<sub>E</sub>X/L<sup>A</sup>T<sub>E</sub>X support provided with version 1.001 of the font in postscript type 1 format.

## §1 Introduction

This document explains how to use the T<sub>E</sub>X/L<sup>A</sup>T<sub>E</sub>X support included with version 1.001 of Ornaments ADF in postscript type 1 format. The font was developed by Hirwen Harendal of the Arkandis Digital Foundry (ADF), and information about the font itself, together with a copy of the font in opentype format, can be found at <http://pagesperso-orange.fr/arkandis/ADF/tugfonts.htm>. The font is released under the GPL. For details, see README, NOTICE and COPYING.

The T<sub>E</sub>X/L<sup>A</sup>T<sub>E</sub>X support package consists of all files listed in manifest.txt and these files are released under the L<sup>A</sup>T<sub>E</sub>X Project Public Licence as explained in the included licensing notices and README. Please let me know of any problems so that I can solve them if I can. If you can correct the problems and send me the fix, that would be even better. Unlike the font itself, the T<sub>E</sub>X/L<sup>A</sup>T<sub>E</sub>X support is somewhat experimental.

adfor includes a copy of the font in type 1 format (OrnamentsADF.pfb, OrnamentsADF.pfm and OrnamentsADF.afm), documentation and support files for T<sub>E</sub>X/L<sup>A</sup>T<sub>E</sub>X including a L<sup>A</sup>T<sub>E</sub>X package file, adfor.sty.

## §2 The support package

adfor (*pkg.*) \usepackage[*options*]{*adfor*}

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\*Bug tracker: [codeberg.org/cfr/nfssext/issues](https://codeberg.org/cfr/nfssext/issues) | Code: [codeberg.org/cfr/nfssext](https://codeberg.org/cfr/nfssext) | Mirror: [github.com/cfr42/nfssext](https://github.com/cfr42/nfssext)

`adorn` provides access to the ornaments and symbols in `OrnamentsADF` via two sets of commands. First, it provides a single command which takes a range of arguments. The different arguments determine which ornament is typeset. Second, it provides a separate command for each ornament. The choice of command determines which ornament is typeset. The two mechanisms are equivalent<sup>1</sup>.

The package supports a lonely option to scale the fonts.

`scale (opt.) = <scaling factor>`

Scale the font by `<scaling factor>`, which should be a positive integer or simple decimal such as 2 or 1.2. This option is intended for cases where the fonts should be scaled to match other fonts used in the document e.g. for consistency with the size of regular text or superscript markers.

Initially empty, which is equivalent to 1 but more efficient.

## §2.1 One command; many arguments

`adorn` provides the command `\adorn{}` which takes a single numerical argument. There are 75 ornaments in the font which can be produced by feeding the relevant number between 1 and 75 to `\adorn{}`<sup>2</sup>:

1: ◀	16: ⤿	31: ◉	46: ⤿	61: ⚙
2: ▶	17: ⤿	32: ⚙	47: ⤿	62: ⚙
3: *	18: ⤿	33: ⚙	48: ⤿	63: ⚙
4: *	19: ⤿	34: ⚙	49: ⤿	64: ⚙
5: *	20: ⤿	35: ⚙	50: ⤿	65: ⚙
6: *	21: ⤿	36: ⚙	51: ⤿	66: ⚙
7: *	22: ⤿	37: ⚙	52: ⤿	67: ⚙
8: *	23: ⤿	38: ⚙	53: ⤿	68: ⚙
9: *	24: ⤿	39: ⚙	54: ⤿	69: ⚙
10: *	25: ⤿	40: ⚙	55: ⚙	70: ◀
11: *	26: ⤿	41: ⚙	56: ⚙	71: ◻
12: *	27: ⚙	42: ◀	57: ⚙	72: ▶
13: ⚙	28: ⚙	43: ▶	58: ⚙	73: •
14: ◊	29: ⚙	44: ⤿	59: ⚙	74: §
15: ⚙	30: ⚙	45: ⤿	60: ⚙	75: §

<sup>1</sup>The only difference is that the first allows you to typeset a space by passing it the argument `o` whereas there is no command to typeset the space in the second set. For all practical purposes, this difference is irrelevant since you should not use such a command to typeset a space in `TEX` in any case and it is difficult to see why anybody would want to.

<sup>2</sup>As mentioned above, the argument `o` will simply typeset a space and should be avoided as using it may interfere with `TEX`'s spacing algorithms. The problem is that `TEX` will not recognise it as a space and so will treat it instead as a character.

For example,

```
% \adorn{21}\quad\adorn{11}\quad\adorn{49}
%
```

produces:



## §2.2 Many commands; no arguments

In addition to the numerical interface, a number of additional commands are provided as an alternative means of accessing the various symbols and ornaments. The following list groups them roughly according to kind. In each case, the number of the ornament is given first. This may be used directly with the `\adorn{}` command as explained above. The alternative command is given next. This command may be used to typeset the same ornament. For example both `\adorn{14}` and `\adfdiamond` produce  $\diamond$ . Finally, the ornament produced by the two commands is typeset to their right.

no.	command		no.	command
BASIC SYMBOLS & SHAPES				
74	§	<code>\adfS</code>	§	
75	Œ	<code>\adfgee</code>	Œ	
14	◇	<code>\adfdiamond</code>	◇	
71	□	<code>\adfsquare</code>	□	
73	•	<code>\adfbullet</code>	•	
FANCY ASTERISKS & BULLETS				
3	✱	<code>\adfast1</code>	✱	
4	✱	<code>\adfast2</code>	✱	
5	✱	<code>\adfast3</code>	✱	
6	✱	<code>\adfast4</code>	✱	
7	✱	<code>\adfast5</code>	✱	
8	✱	<code>\adfast6</code>	✱	
9	✱	<code>\adfast7</code>	✱	
10	✱	<code>\adfast8</code>	✱	
11	✱	<code>\adfast9</code>	✱	
12	✱	<code>\adfast{10}</code>	✱	
ARROWS & ARROWHEADS				
70	←	<code>\adfhalfleftarrow</code>	←	
72	➤	<code>\adfhalfrightarrow</code>	➤	

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BASIC SYMBOLS & SHAPES CONT.













































---

42	◀	<code>\adflleftarrowhead</code>	◀
43	▶	<code>\adflrightrightarrowhead</code>	▶
1	◀	<code>\adfhalfleftarrowhead</code>	◀
2	▶	<code>\adfhalfrightarrowhead</code>	▶

---

FLOURISHES





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20		<code>\adfflourishleft</code>	
48		<code>\adfflourishright</code>	
21		<code>\adfflourishlefthdouble</code>	
49		<code>\adfflourishrightdouble</code>	
17		<code>\adfopenflourishleft</code>	
45		<code>\adfopenflourishright</code>	
18		<code>\adfclosedflourishleft</code>	
46		<code>\adfclosedflourishright</code>	
22		<code>\adfsingleflourishleft</code>	
50		<code>\adfsingleflourishright</code>	
19		<code>\adfdoubleflourishleft</code>	
47		<code>\adfdoubleflourishright</code>	
26		<code>\adftripleflourishleft</code>	
54		<code>\adftripleflourishright</code>	
23		<code>\adfsharpflourishleft</code>	
51		<code>\adfsharpflourishright</code>	
24		<code>\adfdoublesharpflourishleft</code>	
52		<code>\adfdoublesharpflourishright</code>	
25		<code>\adsickleflourishleft</code>	
53		<code>\adsickleflourishright</code>	
16		<code>\adfwavesleft</code>	
44		<code>\adfwavesright</code>	

---

FLOWERS

















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60		<code>\adfflowerleft</code>	
32		<code>\adfflowerright</code>	

---

LEAVES

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
































66		<code>\adflleafleft</code>	
38		<code>\adflleafright</code>	
59		<code>\adfsolidleafleft</code>	
31		<code>\adfsolidleafright</code>	
13		<code>\adfhalfleafleft</code>	
15		<code>\adfhalfleafright</code>	
58		<code>\adfoutlineleafleft</code>	
30		<code>\adfoutlineleafright</code>	

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BASIC SYMBOLS & SHAPES CONT.

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68		<code>\adfsmallleafleft</code>	
40		<code>\adfsmallleafright</code>	
64		<code>\adfflatleafleft</code>	
36		<code>\adfflatleafright</code>	
57		<code>\adfflatleafoutlineleft</code>	
29		<code>\adfflatleafoutlineright</code>	
65		<code>\adfflatleafsolidleft</code>	
37		<code>\adfflatleafsolidright</code>	
67		<code>\adfdownleafleft</code>	
39		<code>\adfdownleafright</code>	
61		<code>\adfdownhalfleafleft</code>	
33		<code>\adfdownhalfleafright</code>	
55		<code>\adfflatdownhalfleafleft</code>	
27		<code>\adfflatdownhalfleafright</code>	
56		<code>\adfflatdownoutlineleafleft</code>	
28		<code>\adfflatdownoutlineleafright</code>	
35		<code>\adfhangingleafleft</code>	
63		<code>\adfhangingleafright</code>	
69		<code>\adfsmallhangingleafleft</code>	
41		<code>\adfsmallhangingleafright</code>	
62		<code>\adfhangingleafleft</code>	
34		<code>\adfhangingleafright</code>	

---

So,

`\adfflourishleftdouble\quad\adfast9\quad\adfflourishrightdouble`

will produce the same output as the example code given in the previous section:



## §A Implementation

You do not need to read the remainder of this document in order to install or use the fonts.

### §A.1 Package

Simple wrappers.

```

1 \NeedsTeXFormat{LaTeX2e}
2 \RequirePackage{svn-prov}
3 \ProvidesPackageSVN[\filebase.sty]{$Id: adorn.dtx 10442 2024-09-29 18:25:09Z cfrees $}[v1.2 \
4 \DefineFileInfoSVN[adorn]
5 \newif\if@adorn@digonnew

```

Copied verbatim, excepting format and modulo package/module name from Joseph Wright's `siunitx.sty` under LPPL

```

6 \@ifundefined{ExplLoaderFileDate}{%
7   \IfFileExists{expl3.sty}{%
8     \RequirePackage{expl3}%
9   }{%
10    \@adorn@digonnewfalse
11  }%
12 }{\@adorn@digonnewtrue}

```

`scale` takes a factor by which to scale the fonts. This is empty by default, which is equivalent to 1, but more efficient.

```

13 \if@adorn@digonnew
14 \ExplSyntaxOn
15 \keys_define:nn { adorn }
16 {
17   scale .tl_set:N = \adorn@scale,
18   scale .initial:V = \@empty,
19 }
20 \else
21 \let\adorn@scale\@empty
22 \fi

```

Provide `\ProcessKeyOptions`, `\IfFormatAtLeastTF` on older kernels. Joseph Wright: from `siunitx.sty` ; <https://chat.stackexchange.com/transcript/message/64327823#64327823>

```

23 %%%%%%%%%%%
24 \providecommand \IfFormatAtLeastTF { \@ifl@t@r \fmtversion }
25 \IfFormatAtLeastTF { 2022-06-01 }
26 {
27   \ProcessKeyOptions [ adorn ]
28 }{
29   \RequirePackage { 13keys2e }
30   \ProcessKeysOptions { adorn }
31 }
32 %%%%%%%%%%%
33 \ExplSyntaxOff

```

`\adorn@style`

```

34 \DeclareRobustCommand{\adorn@style}{%% do NOT break line below!

```

```
35 \not@math@alphabet\adorn@style\relax
36 \fontencoding{U}\fontfamily{OrnamentsADF}\fontseries{m}\fontshape{n}\selectfont
37 }
```

`\adorn`

```
38 \newcommand*\adorn[1]{\adorn@style\char#1}
```

`\adleftarrowhead`

```
39 \newcommand*\adhalfleftarrowhead{\adorn{1}}
```

`\adrightarrowhead`

```
40 \newcommand*\adhalfrightarrowhead{\adorn{2}}
```

`\adfast`

```
41 \gdef\adfast#1{%
42 \ifcase #1 \relax
43 \or \adorn{3}%
44 \or \adorn{4}%
45 \or \adorn{5}%
46 \or \adorn{6}%
47 \or \adorn{7}%
48 \or \adorn{8}%
49 \or \adorn{9}%
50 \or \adorn{10}%
51 \or \adorn{11}%
52 \or \adorn{12}%
53 \fi}
```

`\adhalfleafleft`

```
54 \newcommand*\adhalfleafleft{\adorn{13}}
```

`\adfdiamond`

```
55 \newcommand*\adfdiamond{\adorn{14}}
```

`\adhalfleafright`

```
56 \newcommand*\adhalfleafright{\adorn{15}}
```

`\adfwavesleft`

```
57 \newcommand*\adfwavesleft{\adorn{16}}
```

openflourishleft

58 \newcommand\*{\adfopenflourishleft}{\adorn{17}}

osedflourishleft

59 \newcommand\*{\adfclosedflourishleft}{\adorn{18}}

ubleflourishleft

60 \newcommand\*{\adfdoubleflourishleft}{\adorn{19}}

\adfflourishleft

61 \newcommand\*{\adfflourishleft}{\adorn{20}}

ourishlefthdouble

62 \newcommand\*{\adfflourishlefthdouble}{\adorn{21}}

ngleflourishleft

63 \newcommand\*{\adfsingleflourishleft}{\adorn{22}}

harpflourishleft

64 \newcommand\*{\adfsharpflourishleft}{\adorn{23}}

harpflourishleft

65 \newcommand\*{\adfdoublesharpflourishleft}{\adorn{24}}

ckleflourishleft

66 \newcommand\*{\adfsickleflourishleft}{\adorn{25}}

ipleflourishleft

67 \newcommand\*{\adftripleflourishleft}{\adorn{26}}

ownhalfleafright

68 \newcommand\*{\adfflatdownhalfleafright}{\adorn{27}}

outlineleafright

69 \newcommand\*{\adfflatdownoutlineleafright}{\adorn{28}}



leafoutlineright

70 \newcommand\*{\adfflatleafoutlineright}{\adfor{29}}

outlineleafright

71 \newcommand\*{\adfoutlineleafright}{\adfor{30}}

dfsolidleafright

72 \newcommand\*{\adfsolidleafright}{\adfor{31}}

\adfflowerright

73 \newcommand\*{\adfflowerright}{\adfor{32}}

downhalfleafright

74 \newcommand\*{\adfdownhalfleafright}{\adfor{33}}

hingflatleafright

75 \newcommand\*{\adfhingflatleafright}{\adfor{34}}

fhangingleafleft

76 \newcommand\*{\adfhangingleafleft}{\adfor{35}}

adfflatleafright

77 \newcommand\*{\adfflatleafright}{\adfor{36}}

atleafsolidright

78 \newcommand\*{\adfflatleafsolidright}{\adfor{37}}

\adfleafright

79 \newcommand\*{\adfleafright}{\adfor{38}}

adfdownleafright

80 \newcommand\*{\adfdownleafright}{\adfor{39}}

dfssmallleafright

81 \newcommand\*{\adfsmallleafright}{\adfor{40}}

hangingleafright

82 \newcommand\*{\adfsmallhangingleafright}{\adorn{41}}

adleftarrowhead

83 \newcommand\*{\adleftarrowhead}{\adorn{42}}

adrightarrowhead

84 \newcommand\*{\adrightarrowhead}{\adorn{43}}

\adwavesright

85 \newcommand\*{\adwavesright}{\adorn{44}}

openflourishright

86 \newcommand\*{\adfopenflourishright}{\adorn{45}}

closedflourishright

87 \newcommand\*{\adfclosedflourishright}{\adorn{46}}

doubleflourishright

88 \newcommand\*{\adfdoubleflourishright}{\adorn{47}}

adfflourishright

89 \newcommand\*{\adfflourishright}{\adorn{48}}

flourishrightdouble

90 \newcommand\*{\adfflourishrightdouble}{\adorn{49}}

singleflourishright

91 \newcommand\*{\adfsingleflourishright}{\adorn{50}}

sharpflourishright

92 \newcommand\*{\adfsharpflourishright}{\adorn{51}}

adsharpflourishright

93 \newcommand\*{\adfdoublesharpflourishright}{\adorn{52}}

kleftflourishright

94 \newcommand\*{\adfsickleftflourishright}{\adorn{53}}

pleflourishright

95 \newcommand\*{\adftripleflourishright}{\adorn{54}}

downhalfleafleft

96 \newcommand\*{\adfflatdownhalfleafleft}{\adorn{55}}

noutlineleafleft

97 \newcommand\*{\adfflatdownoutlineleafleft}{\adorn{56}}

tleafoutlineleft

98 \newcommand\*{\adfflatleafoutlineleft}{\adorn{57}}

foutlineleafleft

99 \newcommand\*{\adfoutlineleafleft}{\adorn{58}}

adfsolidleafleft

100 \newcommand\*{\adfsolidleafleft}{\adorn{59}}

\adfflowerleft

101 \newcommand\*{\adfflowerleft}{\adorn{60}}

downhalfleafleft

102 \newcommand\*{\adfdownhalfleafleft}{\adorn{61}}

gingflatleafleft

103 \newcommand\*{\adfhangingleafleft}{\adorn{62}}

hangingleafright

104 \newcommand\*{\adfhangingleafright}{\adorn{63}}

\adfflatleafleft

105 \newcommand\*{\adfflatleafleft}{\adorn{64}}

latleafsolidleft

106 \newcommand\*{\adflatleafsolidleft}{\adorn{65}}

\adleafleft

107 \newcommand\*{\adleafleft}{\adorn{66}}

\addownleafleft

108 \newcommand\*{\adfdownleafleft}{\adorn{67}}

adfsmallleafleft

109 \newcommand\*{\adfsmallleafleft}{\adorn{68}}

lhangingleafleft

110 \newcommand\*{\adfsmallhangingleafleft}{\adorn{69}}

adhalfleftarrow

111 \newcommand\*{\adhalfleftarrow}{\adorn{70}}

\adfsquare

112 \newcommand\*{\adfsquare}{\adorn{71}}

dfhalfrightarrow

113 \newcommand\*{\adhalfrightarrow}{\adorn{72}}

\adfbullet

114 \newcommand\*{\adfbullet}{\adorn{73}}

115 \newcommand\*{\adfS}{\adorn{74}}

\adfgee

116 \newcommand\*{\adfgee}{\adorn{75}}

117 %% end adorn.sty

The remaining files are not used directly, but are required to generate the files which allow  $\TeX$  and  $\LaTeX$  to use the fonts. The sources use `fontinst` as explained in the (sparse) comments. While you can install these files into a  $\TeX$  tree, they are not required for typesetting.

## §A.2 Driver

The file does all the initial setup of the fonts. It organises the fonts into families, defines shapes and reencodes as required.

```
118 /OrnamentsADFEencoding [
119 /space
120 /parenleft
121 /parenright
122 /zero
123 /one
124 /two
125 /three
126 /four
127 /five
128 /six
129 /seven
130 /eight
131 /nine
132 /less
133 /equal
134 /greater
135 /A
136 /B
137 /C
138 /D
139 /E
140 /F
141 /G
142 /H
143 /I
144 /J
145 /K
146 /L
147 /M
148 /N
149 /O
150 /P
151 /Q
152 /R
153 /S
154 /T
155 /U
156 /V
157 /W
158 /X
159 /Y
160 /Z
161 /bracketleft
```

162 /bracketright  
163 /a  
164 /b  
165 /c  
166 /d  
167 /e  
168 /f  
169 /g  
170 /h  
171 /i  
172 /j  
173 /k  
174 /l  
175 /m  
176 /n  
177 /o  
178 /p  
179 /q  
180 /r  
181 /s  
182 /t  
183 /u  
184 /v  
185 /w  
186 /x  
187 /y  
188 /z  
189 /braceleft  
190 /bar  
191 /braceright  
192 /bullet  
193 /section  
194 /paragraph  
195 /.notdef  
196 /.notdef  
197 /.notdef  
198 /.notdef  
199 /.notdef  
200 /.notdef  
201 /.notdef  
202 /.notdef  
203 /.notdef  
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375 ] def

```

### §A.3 Font Definitions

ornamentsadf.fd (fd.) Font declarations for OrnamentsADF font

```

376 \ProvidesFile{uornaments.adf}[v1.2 2024/09/29 font definitions for U/OrnamentsADF.]

```

addaswyd o t1phv.fd (dyddiad y ffeil fd: 2020-03-25)

```

377 \expandafter\ifx\csname adfornt@scale\endcsname\relax
378 \let\adfornt@@scale\@empty
379 \else
380 \edef\adfornt@@scale{s*[\csname adfornt@scale\endcsname]}%
381 \fi
382 \DeclareFontFamily{U}{OrnamentsADF}{}
383 \DeclareFontShape{U}{OrnamentsADF}{m}{n}{
384 <-> \adfornt@@scale OrnamentsADF
385 }{}
386 \DeclareFontShape{U}{OrnamentsADF}{m}{sc}{<->ssub * OrnamentsADF/m/n}{}
387 \DeclareFontShape{U}{OrnamentsADF}{m}{it}{<->ssub * OrnamentsADF/m/sc}{}
388 \DeclareFontShape{U}{OrnamentsADF}{m}{sl}{<->ssub * OrnamentsADF/m/it}{}
389 \DeclareFontShape{U}{OrnamentsADF}{m}{si}{<->ssub * OrnamentsADF/m/sl}{}
390 \DeclareFontShape{U}{OrnamentsADF}{m}{scit}{<->ssub * OrnamentsADF/m/si}{}
391 \DeclareFontShape{U}{OrnamentsADF}{m}{scsl}{<->ssub * OrnamentsADF/m/scit}{}
392 \DeclareFontShape{U}{OrnamentsADF}{b}{n}{<->ssub * OrnamentsADF/m/scsl}{}
393 \DeclareFontShape{U}{OrnamentsADF}{b}{sc}{<->ssub * OrnamentsADF/b/n}{}
394 \DeclareFontShape{U}{OrnamentsADF}{b}{it}{<->ssub * OrnamentsADF/b/sc}{}
395 \DeclareFontShape{U}{OrnamentsADF}{b}{sl}{<->ssub * OrnamentsADF/b/it}{}
396 \DeclareFontShape{U}{OrnamentsADF}{b}{si}{<->ssub * OrnamentsADF/b/sl}{}
397 \DeclareFontShape{U}{OrnamentsADF}{b}{scit}{<->ssub * OrnamentsADF/b/si}{}
398 \DeclareFontShape{U}{OrnamentsADF}{b}{scsl}{<->ssub * OrnamentsADF/b/scit}{}

```

```

399 \DeclareFontShape{U}{OrnamentsADF}{bx}{n}{<->ssub * OrnamentsADF/b/scsl}{}
400 \DeclareFontShape{U}{OrnamentsADF}{bx}{sc}{<->ssub * OrnamentsADF/bx/n}{}
401 \DeclareFontShape{U}{OrnamentsADF}{bx}{it}{<->ssub * OrnamentsADF/bx/sc}{}
402 \DeclareFontShape{U}{OrnamentsADF}{bx}{sl}{<->ssub * OrnamentsADF/bx/it}{}
403 \DeclareFontShape{U}{OrnamentsADF}{bx}{si}{<->ssub * OrnamentsADF/bx/sl}{}
404 \DeclareFontShape{U}{OrnamentsADF}{bx}{scit}{<->ssub * OrnamentsADF/bx/si}{}
405 \DeclareFontShape{U}{OrnamentsADF}{bx}{scsl}{<->ssub * OrnamentsADF/bx/scit}{}

```

## Change History

v1.2		\adorn: Remove pifont dependency. . .	7
	General: Belated update for (New)	uornementsadf.fd: Support for scaling.	18
	NFSS and revised nfssect-cfr. Try	v??	
	switching to DTX/INS. . . . .	General: First public release. . . . .	1

## 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.

<b>Symbols</b>	\adfdownleafleft . . . .	<u>108</u>	\adfflowerleft . . . . .	<u>101</u>
\@adorn@digonnewfalse	<u>10</u>	\adfdownleafright . . .	<u>80</u>	\adfflowerright . . . . .
\@adorn@digonnewtrue	<u>12</u>	\adfflatdownhalfleafleft		\adfgee . . . . .
\@empty . . . . .	<u>18, 21, 378</u>	. . . . .	<u>96</u>	\adfhalfleafleft . . . .
\@ifl@t@r . . . . .	<u>24</u>	\adfflatdownhalfleafright		<u>54</u>
\@ifundefined . . . . .	<u>6</u>	. . . . .	<u>68</u>	\adfhalfleafright . . .
		\adfflatdownoutlineleafleft		<u>111</u>
<b>A</b>		. . . . .	<u>97</u>	\adfhalfleftarrow . . .
\adfast . . . . .	<u>41</u>	\adfflatdownoutlineleafright		<u>39</u>
\adfbullet . . . . .	<u>114</u>	. . . . .	<u>69</u>	\adfhalfrightarrow . .
\adfclosedflourishleft	<u>59</u>	\adfflatleafleft . . . .	<u>105</u>	<u>40</u>
\adfclosedflourishright		\adfflatleafoutlineleft		\adfhangingflatleafleft
. . . . .	<u>87</u>	. . . . .	<u>98</u>	. . . . .
\adfdiamond . . . . .	<u>55</u>	\adfflatleafoutlineright		<u>103</u>
\adfdoubleflourishleft	<u>60</u>	. . . . .	<u>70</u>	. . . . .
\adfdoubleflourishright		\adfflatleafright . . .	<u>77</u>	\adfhangingleafleft .
. . . . .	<u>88</u>	\adfflatleafsolidleft	<u>106</u>	\adfhangingleafright .
\adfdoublesharpflourishleft		\adfflatleafsolidright	<u>78</u>	\adfleafleft . . . . .
. . . . .	<u>65</u>	\adfflourishleft . . . .	<u>61</u>	<u>107</u>
\adfdoublesharpflourishright		\adfflourishleftdouble	<u>62</u>	\adfleafright . . . . .
. . . . .	<u>93</u>	\adfflourishright . . .	<u>89</u>	<u>79</u>
\adfdownhalfleafleft .	<u>102</u>	\adfflourishrightdouble		\adfflourishleft . . .
\adfdownhalfleafright	<u>74</u>	. . . . .	<u>90</u>	<u>83</u>
				\adfflourishright . . .
				<u>86</u>
				\adfn . . . .
				<u>38, 39, 40,</u>
				<u>43, 44, 45, 46, 47,</u>

48, 49, 50, 51, 52,	\adfwavesleft . . . . .	<u>57</u>	
54, 55, 56, 57, 58,	\adfwavesright . . . . .	<u>85</u>	
59, 60, 61, 62, 63,			<b>L</b>
64, 65, 66, 67, 68,			\let . . . . . 21, <u>378</u>
69, 70, 71, 72, 73,	<b>C</b>		
74, 75, 76, 77, 78, 79,	\char . . . . .	38	<b>N</b>
80, 81, 82, 83, 84,	\csname . . . . .	377, <u>380</u>	\newcommand 38, 39, 40,
85, 86, 87, 88, 89,			54, 55, 56, 57, 58,
90, 91, 92, 93, 94,	<b>D</b>		59, 60, 61, 62, 63,
95, 96, 97, 98, 99,	\DeclareFontFamily . . . . .	382	64, 65, 66, 67, 68,
100, 101, 102, 103,	\DeclareFontShape . . . . .	383, 386, 387, 388,	69, 70, 71, 72, 73,
104, 105, 106, 107,		389, 390, 391, 392,	74, 75, 76, 77, 78, 79,
108, 109, 110, 111,		393, 394, 395, 396,	80, 81, 82, 83, 84,
112, 113, 114, 115, 116		397, 398, 399, 400,	85, 86, 87, 88, 89,
adorn (pkg.) . . . . .	\DeclareRobustCommand	401, 402, 403, 404, 405	90, 91, 92, 93, 94,
\adorn@scale . . . . .		34	95, 96, 97, 98, 99,
. . . . .			100, 101, 102, 103,
378, 380, 384			104, 105, 106, 107,
\adorn@scale . . . . .	<b>E</b>		108, 109, 110, 111,
17, 21	\edef . . . . .	380	112, 113, 114, 115, 116
\adorn@style . . . . .	\else . . . . .	20, 379	\newif . . . . . 5
<u>34</u> , <u>38</u>	\endcsname . . . . .	377, <u>380</u>	\not@math@alphabet . . 35
\adfoutlineleafleft . . . . .	\expandafter . . . . .	377	
<u>99</u>			<b>O</b>
\adfoutlineleafright . . . . .			options:
<u>71</u>			scale . . . . . 2
\adfrightarrowhead . . . . .	<b>F</b>		\or . . . . . 43, 44, 45, 46,
<u>84</u>	\fi . . . . .	22, 53, 381	47, 48, 49, 50, 51, 52
\adfS . . . . .	\fmtversion . . . . .	24	
115	font definitions:		
\adfsharpflourishleft <u>64</u>	uornementsadf.fd <u>376</u>		
\adfsharpflourishright <u>92</u>	\fontencoding . . . . .	36	<b>P</b>
\adfsickleflourishleft <u>66</u>	\fontfamily . . . . .	36	packages:
\adfsickleflourishright	\fontseries . . . . .	36	adorn . . . . . 1
. . . . .	\fontshape . . . . .	36	\ProcessKeysOptions . 30
<u>94</u>			\providecommand . . . . . 24
\adfsingleflourishleft <u>63</u>	<b>G</b>		\ProvidesFile . . . . . 376
\adfsingleflourishright	\gdef . . . . .	41	
. . . . .			
<u>91</u>	<b>I</b>		<b>R</b>
\adfsmallhangingleafleft	\if@adorn@digonnew 5, 13		\relax . . . . . 35, 42, 377
. . . . .	\ifcase . . . . .	42	
<u>110</u>	\IfFileExists . . . . .	7	<b>S</b>
\adfsmallhangingleafright	\IfFormatAtLeastTF 24, 25		scale (opt.) . . . . . 2
. . . . .	\ifx . . . . .	377	\selectfont . . . . . 36
<u>82</u>			
\adfsmallleafleft . . . . .	<b>K</b>		<b>U</b>
109	\keys_define:nn . . . . .	15	uornementsadf.fd (fd.) <u>376</u>
\adfsmallleafright . . . . .			
<u>81</u>			
\adfsolidleafleft . . . . .			
<u>100</u>			
\adfsolidleafright . . . . .			
<u>72</u>			
\adfsquare . . . . .			
<u>112</u>			
\adftripleflourishleft <u>67</u>			
\adftripleflourishright			
. . . . .			
<u>95</u>			