

1 Introduction

This document contains the following listings:

Listings

| | | |
|---|---------------------------------|---|
| 1 | Another bit of Pascal | 2 |
| | any.sty.ltxml | 3 |
| | listing.tex | 3 |

2 Inline Listings

Various delimiters: a_word, a_word, a_word, a_word and even a_word done.

3 An untyped Listing

No options, language, etc

```
1 stuff1
2 stuff2
3 stuff3
```

4 A Pascal Listing

A listing portion:

```
1 begin
2   { do nothing }
3 end;
```

A numbered listing:

```
1 for i:=maxint to 0 do
  begin
3   { do nothing }
  end;
5
7 Write('case_insensitive');
Write('long_'_string');
WriteE('Pascal_keywords.');
```

A Titled listing:

A bit of Pascal

```
1 for i:=maxint to 0 do
2 begin
```

```

3    { do nothing }
4  end;
5  Write( 'case_insensitive' );

```

A Captioned listing (known as Listing 1) :

Listing 1: Another bit of Pascal

```

100 for i:=maxint to 0 do
101 begin
102   { do nothing }
103 end;

```

5 An Environment

```

1 for i:=maxint to 0 do
2 begin
3   { do nothing }
4 end;

```

```

1 for i:=maxint to 0 do
2 begin
3   { do nothing }
4 end;

```

```

1 for i:=maxint to 0 do
2 begin
3   { do nothing }
4 end;

```

6 Listing with Math

```

1 // calculate  $a_{ij}$ 
2 a[i][j] = a[j][j]/a[i][j];

```

```

1 // calculate  $a_{ij}$ 
2 a[i][j] = a[j][j]/a[i][j];

```

```

1 // calculate  $a_{ij}$ 
2  $a_{ij} = a_{jj}/a_{ij}$ ;
3 // calculate  $a_{ij} = \sin x$ 
4
5 a[i,j]=sin(x)
6 foo="a_word";
7 foo="a $x^2$  math";

```

```

1 // calculate <aij>
2 a_{ij}
3 = a_{jj}/a{ij};

1 // calculate $a_{ij}$
2 $a_{ij}
3 = a_{jj}/a{ij}$;
4 // calculate $a_{ij} =
5 \sin x$
6 a[i,j]=sin(x)
7 foo="a_word";
8 foo="a_\string";
9 foo="a_x^2_math";

```

7 A Perl Listing

```

1 # -- CPERL --
2 package LaTeXML::Package::Pool;
3 use strict;
4 use LaTeXML::Package;
5
6 DefConstructor( '\container{}', "<ltx:special>#1</ltx:special>" );
7 DefConstructor( '\foo', "<ltx:not-defined/>" );
8
9 1;

```

8 A Recursive T_EX listing

```

1 \documentclass{article}
2 \usepackage{makeidx}
3 \makeindex
4 \usepackage{listings}
5 \usepackage{color}
6 \begin{document}
7 \lstset{numbers=left}
8
9 \section{Introduction}
10 This document contains the following listings:
11 \lstlistoflistings
12
13 \section{Inline Listings}
14 Various delimiters: \lstinline{a_word},
15 \lstinline!a_word!, \lstinline Aa_wordA,
16 \lstinline&a_word& and even \lstinline^a_word^ done.
17

```

```

18 \section{An untyped Listing}
19 No options , language , etc
20 \begin{lstlisting}
21 stuff1
22 stuff2
23 stuff3
24 \end{lstlisting}
25
26 \section{A Pascal Listing}
27 A listing portion:
28 \begin{lstlisting}[language=Pascal , firstline=2, lastline=5, caption={}]
29 for i:=maxint to 0 do
30 begin
31   { do nothing }
32 end;
33
34 Write('case insensitive ');
35 Write('long ' ' string ');
36 Write('Pascal keywords. ');
37 \end{lstlisting}
38
39 A numbered listing:
40 \begin{lstlisting}[language=Pascal , numbers=left , numberstyle=\tiny , stepnumber=2]
41 for i:=maxint to 0 do
42   begin
43     { do nothing }
44   end;
45
46 Write('case insensitive ');
47 Write('long ' ' string ');
48 Write('Pascal keywords. ');
49 \end{lstlisting}
50
51 A Titled listing:
52 \begin{lstlisting}[language=Pascal , title={A bit of Pascal}]
53 for i:=maxint to 0 do
54 begin
55   { do nothing }
56 end;
57 Write('case insensitive ');
58 \end{lstlisting}
59
60
61 A Captioned listing (known as Listing \ref{pascallisting}) :
62 \begin{lstlisting}[language=Pascal , caption=Another bit of Pascal , label=pascallisting]
63 for i:=maxint to 0 do

```

```

64 begin
65   { do nothing }
66 end;
67 \end{lstlisting}
68
69 \section{An Environment}
70 \begin{lstlisting}[language=Pascal]
71 for i:=maxint to 0 do
72 begin
73   { do nothing }
74 end;
75 \end{lstlisting}
76
77 \lstnewenvironment{colored}[1]{\lstset{language=Pascal,numbers=left,numberstyle=
78 \begin{colored}{red}
79 for i:=maxint to 0 do
80 begin
81   { do nothing }
82 end;
83 \end{colored}
84
85 \begin{colored}{blue}
86 for i:=maxint to 0 do
87 begin
88   { do nothing }
89 end;
90 \end{colored}
91
92 \section{Listing with Math}
93 \begin{lstlisting}[language=c, texcl, commentstyle=\color{green}]
94 // \upshape calculate $a_{ij}$
95  $a[i][j] = a[j][j]/a[i][j];$ 
96 \end{lstlisting}
97
98 \begin{lstlisting}[texcl, language=c]
99 // \upshape calculate $a_{ij}$
100  $a[i][j] = a[j][j]/a[i][j];$ 
101 \end{lstlisting}
102
103 \begin{lstlisting}[language=c, mathescape, numbers=left, commentstyle=\color{green}]
104 // calculate $a_{ij}$
105 $a_{ij}
106 = a_{jj}/a_{ij}$;
107 // calculate $a_{ij} =
108 \sin x$
109  $a[i,j]=\sin(x)$ 

```

```

110 foo="a word";
111 foo="a  $x^2$  math";
112 \end{lstlisting}
113
114 \begin{lstlisting}[language=c,escapechar=\%,escapebegin=\textless,escapeend=\textgreater]
115 // calculate  $a_{ij}$ 
116 a_{ij}
117 = a_{jj}/a_{ij};
118 \end{lstlisting}
119
120 \begin{lstlisting}[language=c,numbers=left,stringstyle=\ttfamily]
121 // calculate  $a_{ij}$ 
122  $a_{ij}$ 
123 =  $a_{jj}/a_{ij}$ ;
124 // calculate  $a_{ij} =$ 
125 \sin x$
126 a[i,j]=sin(x)
127 foo="a word";
128 foo="a \"string\"";
129 foo="a  $x^2$  math";
130 \end{lstlisting}
131
132 \section{A Perl Listing}
133 \lstinputlisting[language=perl]{any.sty.ltxml}
134
135 \section{A Recursive \TeX\ listing}
136 \lstinputlisting[language={[LaTeX]TeX}]{listing.tex}
137
138 \section{Testing Tag}
139 % AHA, tagstyle only is in effect with XML (?)
140 \begin{lstlisting}[language=XML,tagstyle=\bf]
141 <element attr='value'>content</element>
142 \end{lstlisting}
143 \begin{lstlisting}[language=XML,tagstyle=\bf,usekeywordsintag=false]
144 <element attr='value'>content</element>
145 \end{lstlisting}
146 \begin{lstlisting}[language=XML,tagstyle=\bf,markfirstintag]
147 <element attr='value'>content</element>
148 \end{lstlisting}
149
150 \section{Screwiness}
151 \lstdefinlanguage{bingo}{morekeywords={foo,bar},morekeywords=[2]{bing,bar}}
152 %,
153 % AHA, words can only be in one class (1st one declared?)
154 % BUT, index is separate, and classname is without the "style" !!
155 \begin{lstlisting}[language=bingo,keywordstyle=\bfseries,keywordstyle={[2]\itshape}]

```

```

156 foo bar baz bing booboo
157 \end{lstlisting}
158 {\bfseries\itshape bfit}
159 {\itshape\bfseries itbf}
160 \printindex
161 \end{document}

```

9 Testing Tag

```
1 <element attr='value'>content</element>
```

```
1 <element attr='value'>content</element>
```

```
1 <element attr='value'>content</element>
```

10 Screwiness

```

1 foo bar baz bing booboo
  bfit itbf

```