

The file `oldstyle.dtx` for use with $\text{\LaTeX} 2_{\epsilon}$.*

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Document Preambles

```
1 <*(driver | Ucmm)>
2 \NeedsTeXFormat{LaTeX2e}[1994/12/01]
3 </!(driver | Ucmm)>
4 <Ucmm> \ProvidesFile{Ucmm.fd}%
5 <oldstyle>\ProvidesPackage{oldstyle}%
6 <*driver>
7 \ProvidesFile{oldstyle.dtx}%
8 </driver>
9 [1999/05/17 v0.2 Oldstyle numerals font definitions]
```

1 Introduction

This file contains the external font information needed to load the `cmmi` and `cmmib` fonts for use to produce oldstyle numbers in \LaTeX text, together with a trivial $\text{\LaTeX} 2_{\epsilon}$ package to enable them to be used in LaTeX text.

The package `oldstyle` implements two commands (one in $\text{\LaTeX} 2.09$ style — `\oldstyle` — and one in $\text{\LaTeX} 2_{\epsilon}$ style — `\textos`).

The numbers look like this:

Command	Typeset text
<code>0123456789</code>	<code>0123456789</code> (normal numbers)
<code>\textos{0123456789}</code>	<code>0123456789</code>
<code>\textbf{0123456789}</code>	<code>0123456789</code> (normal boldface)
<code>\textbf{% \textos{0123456789}}</code>	<code>0123456789</code>

These macros do not currently address the use of old-style numerals from the TS1 encoding. I do have macros for doing such a thing, but haven't yet integrated them with this environment.

*This file has version number v0.2, dated 1999/05/17.

2 The .fd file

The .fd file specifies a version of the font family `cmm` in U encoding. This is the best I could think of (only the digits are oldstyle numbers, after all).

I have done what I believe to be the *proper*, and made oldstyle a new font shape, but I'm not (yet) sure about the 'name' (`os`) I've given it. Hence, this release is still only preliminary.

```
10 <*Ucmm>
11 \DeclareFontFamily{U}{cmm}{\skewchar\font'177}
12 \DeclareFontShape{U}{cmm}{m}{os}
13   { <5> <6> <7> <8> <9> gen * cmmi
14     <10><10.95>cmmi10
15     <12><14.4><17.28><20.74><24.88>cmmi12
16   }{}
17 \DeclareFontShape{U}{cmm}{b}{os}{%
18   <5> <6> <7> <8> <9> gen * cmmib
19   <10> <10.95> <12> <14.4> <17.28> <20.74> <24.88> cmmib10
20   }{}
21 \DeclareFontShape{U}{cmm}{bx}{os}
22   {<-> ssub * cmm/b/os}{}
23 </Ucmm>
```

3 The .sty file

The package is also trivial. It defines an oldstyle family and then declares commands to use it.

```
24 <*oldstyle>
25 \DeclareOldFontCommand {\oldstyle}{\usefont{U}{cmm}{m}{os}}%
26                               {\mathos}
27 \DeclareTextFontCommand{\textos}{\oldstylefamily}
28 \DeclareMathAlphabet   {\mathos}{U}{cmm}{m}{os}
```

A series of constructs follows that enable the above to work; the constructs are mostly copied from the source of $\text{\LaTeX} 2_{\epsilon}$ itself.

```
29 \DeclareRobustCommand\oldstylefamily{%
30   \not@math@alphabet\osshape\mathos
31   \usefont{U}{cmm}\f@series{os}}
32 </oldstyle>
```