The file `oldstyle.dtx` for use with LaTeX 2ε.*

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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 LaTeX 2ε package to enable them to be used in LaTeX text.

The package `oldstyle` implements two commands (one in LaTeX 2.09 style — `\oldstyle` — and one in LaTeX 2ε style — `\textos`).

The numbers look like this:

Command	Typeset text
`0123456789`	0123456789 (normal numbers)
`\textos{0123456789}`	0123456789
`\textbf{0123456789}`	**0123456789** (normal boldface)
`\textbf{%` `  \textos{0123456789}}`	**0123456789**

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.

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).

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

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.

```
⟨*Ucmm⟩
\DeclareFontFamily{U}{cmm}{\skewchar\font'177}
\DeclareFontShape{U}{cmm}{m}{os}
    { <5> <6> <7> <8> <9> gen * cmmi
      <10><10.95>cmmi10
      <12><14.4><17.28><20.74><24.88>cmmi12
      }{}
\DeclareFontShape{U}{cmm}{b}{os}{%
      <5> <6> <7> <8> <9> gen * cmmib
      <10> <10.95> <12> <14.4> <17.28> <20.74> <24.88> cmmib10
      }{}
\DeclareFontShape{U}{cmm}{bx}{os}
   {<-> ssub * cmm/b/os}{}
⟨/Ucmm⟩
```

3 The `.sty` file

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

```
⟨*oldstyle⟩
\DeclareOldFontCommand {\oldstyle}{\usefont{U}{cmm}{m}{os}}%
                                   {\mathos}
\DeclareTextFontCommand{\textos}{\oldstylefamily}
\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 LaTeX 2$_\varepsilon$ itself.

```
\DeclareRobustCommand\oldstylefamily{%
             \not@math@alphabet\osshape\mathos
             \usefont{U}{cmm}\f@series{os}}
⟨/oldstyle⟩
```