A font sampler

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1 Introduction

This document describes the font test document `fontsmpl.tex` and the accompanying package `fontsmpl.sty`. This produces a test of a font family, printing a sample text, a table of accents, and a sample of commands such as `\pounds`.

It can be used in two ways. The `fontsmpl` package provides the command `\fontsample`, which produces a sample of the current font.

The `fontsmpl` document prompts interactively for a font family (for example '`cmr`') and produces a sample of that family.

2 Documentation

This docstrip document has three docstrip options:

- `document` the code for `fontsmpl.tex`.
- `package` the code for `fontsmpl.sty`.
- `driver` this documentation.

The code for the driver is:

```
⟨*driver⟩
\NeedsTeXFormat{LaTeX2e}
\documentclass{ltxdoc}
\begin{document}
   \DocInput{fontsmpl.dtx}
\end{document}
⟨/driver⟩
```

3 Font sample document

The sample document prompts for a family, and uses the `fontsmpl` package. If there is a file `fontsmpl.cfg`, this is loaded.

```
⟨*document⟩
\NeedsTeXFormat{LaTeX2e}
\documentclass{article}
\usepackage{fontsmpl}
\makeatletter
\InputIfFileExists{fontsmpl.cfg}{}{}
```

```
\makeatother
\typein[\family]{Please enter a family name (for example ‘cmr’).}
\title{Test of \LaTeX{} font family ‘\family’}
\author{Font sample produced with ‘fontsmpl’}
\raggedright
\begin{document}
\maketitle
\fontfamily{\family}\selectfont
\fontencoding{T1}\selectfont\fontsample
\fontencoding{OT1}\selectfont\fontsample
\itshape
\fontencoding{T1}\selectfont\fontsample
\fontencoding{OT1}\selectfont\fontsample
\slshape
\fontencoding{T1}\selectfont\fontsample
\fontencoding{OT1}\selectfont\fontsample
\scshape
\fontencoding{T1}\selectfont\fontsample
\fontencoding{OT1}\selectfont\fontsample
\upshape\bfseries
\fontencoding{T1}\selectfont\fontsample
\fontencoding{OT1}\selectfont\fontsample
\itshape
\fontencoding{T1}\selectfont\fontsample
\fontencoding{OT1}\selectfont\fontsample
\slshape
\fontencoding{T1}\selectfont\fontsample
\fontencoding{OT1}\selectfont\fontsample
\scshape
\fontencoding{T1}\selectfont\fontsample
\fontencoding{OT1}\selectfont\fontsample
\end{document}
⟨/document⟩
```

4 Font sample package

The `fontsmpl` package is a LaTeX 2_ε package.

```
⟨*package⟩
\NeedsTeXFormat{LaTeX2e}
\ProvidesPackage{fontsmpl}[1994/10/29 Font sample package]
```

`\fontsample` The `\fontsample` command prints out a sample text, a selection of glyphs, and a table of accents.

```
\newcommand{\fontsample}{%
   Test of font \f@encoding/\f@family/\f@series/\f@shape.
   \fontsampletext
   \fontsampleglyphs
   \fontsampleaccents
}
```

`\fontsampletext` A sample text, taken from Knuth's `testfont.tex`.

```
\newcommand{\fontsampletext}{%
   Some text:
```

```
   \begin{quote}\begin{flushleft}
      On November 14, 1885, Senator \& Mrs.~Leland Stanford called
      together at their San Francisco mansion the 24~prominent men who
      had been chosen as the first trustees of The Leland Stanford
      Junior University.  They handed to the board the Founding Grant
      of the University, which they had executed three days before.
      This document---with various amendments, legislative acts, and
      court decrees---remains as the University's charter.  In bold,
      sweeping language it stipulates that the objectives of the
      University are ``to qualify students for personal success and
      direct usefulness in life; and to promote the publick welfare by
      exercising an influence in behalf of humanity and civilization,
      teaching the blessings of liberty regulated by law, and
      inculcating love and reverence for the great principles of
      government as derived from the inalienable rights of man to life,
      liberty, and the pursuit of happiness.''
   \\
      (!`THE DAZED BROWN FOX QUICKLY GAVE 12345--67890 JUMPS!)
   \\
      ?`But aren't Kafka's Schlo\ss\
      and \AE sop's \OE uvres often na\"\i ve vis-\`a-vis the
      d\ae monic ph\oe nix's official r\^ole in fluffy s\t oufl\'es?
   \\

   \end{flushleft}\end{quote}
}
```

\fontsampleglyphs
\fontsampleglyph

A list of sample glyph commands.

```
\newcommand{\fontsampleglyphs}{%
   Some glyphs:
   \begin{quote}\begin{flushleft}
      \fontsampleglyph{\#}
      \fontsampleglyph{\$}
      \fontsampleglyph{\%}
      \fontsampleglyph{\&}
      \fontsampleglyph{\AA}
      \fontsampleglyph{\AE}
      \fontsampleglyph{\DH}
      \fontsampleglyph{\DJ}
      \fontsampleglyph{\L}
      \fontsampleglyph{\NG}
      \fontsampleglyph{\OE}
      \fontsampleglyph{\O}
      \fontsampleglyph{\P}
      \fontsampleglyph{\SS}
      \fontsampleglyph{\S}
      \fontsampleglyph{\TH}
      \fontsampleglyph{\_}
      \fontsampleglyph{\aa}
      \fontsampleglyph{\ae}
      \fontsampleglyph{\copyright}
      \fontsampleglyph{\dag}
      \fontsampleglyph{\ddag}
      \fontsampleglyph{\dh}
```

```
    \fontsampleglyph{\dj}
    \fontsampleglyph{\dots}
    \fontsampleglyph{\guillemotleft}
    \fontsampleglyph{\guillemotright}
    \fontsampleglyph{\guilsinglleft}
    \fontsampleglyph{\guilsinglright}
    \fontsampleglyph{\i}
    \fontsampleglyph{\j}
    \fontsampleglyph{\l}
    \fontsampleglyph{\ng}
    \fontsampleglyph{\oe}
    \fontsampleglyph{\o}
    \fontsampleglyph{\pounds}
    \fontsampleglyph{\quotedblbase}
    \fontsampleglyph{\quotesinglbase}
    \fontsampleglyph{\ss}
    \fontsampleglyph{\textasciicircum}
    \fontsampleglyph{\textasciitilde}
    \fontsampleglyph{\textbackslash}
    \fontsampleglyph{\textbar}
    \fontsampleglyph{\textbullet}
    \fontsampleglyph{\textcompwordmark}
    \fontsampleglyph{\textemdash}
    \fontsampleglyph{\textendash}
    \fontsampleglyph{\textexclamdown}
    \fontsampleglyph{\textgreater}
    \fontsampleglyph{\texthyphenchar}
    \fontsampleglyph{\textless}
    \fontsampleglyph{\textperiodcentered}
    \fontsampleglyph{\textquestiondown}
    \fontsampleglyph{\textquotedblleft}
    \fontsampleglyph{\textquotedblright}
    \fontsampleglyph{\textquotedbl}
    \fontsampleglyph{\textquoteleft}
    \fontsampleglyph{\textquoteright}
    \fontsampleglyph{\textvisiblespace}
    \fontsampleglyph{\th}
    \fontsampleglyph{\{}
    \fontsampleglyph{\}}
  \end{flushleft}\end{quote}
}
\newcommand{\fontsampleglyph}[1]{%
  \ifx#1\@undefined
    {\typewriterfont\string#1}~is~undefined
  \else
    {\typewriterfont\string#1}~is~`#1'
  \fi
}
```

\fontsampleaccents
\fontsampleaccent

A sample of accents.

```
\newcommand{\fontsampleaccents}{%
  Some accents:
  \begin{quote}\begin{flushleft}
      \fontsampleaccent{\"} \\
```

```
        \fontsampleaccent{\'} \\
        \fontsampleaccent{\.} \\
        \fontsampleaccent{\=} \\
        \fontsampleaccent{\H} \\
        \fontsampleaccent{\^} \\
        \fontsampleaccent{\`} \\
        \fontsampleaccent{\b} \\
        \fontsampleaccent{\c} \\
        \fontsampleaccent{\d} \\
        \fontsampleaccent{\k} \\
        \fontsampleaccent{\u} \\
        \fontsampleaccent{\v} \\
        \fontsampleaccent{\~}
    \end{flushleft}\end{quote}
}
\newcommand{\fontsampleaccent}[1]{%
    \makebox[1em][r]{\typewriterfont\string#1}
    \makebox[15em][l]{%
      #1A#1C#1D#1E#1G#1I#1L#1N%
      #1O#1R#1S#1T#1U#1Y#1Z%
      #1a#1c#1d#1e#1g#1\i#1i#1l#1n%
      #1o#1r#1s#1t#1u#1y#1z%
    }
}
```

`\typewriterfont` Not all sites have the T1 typewriter fonts, so we set the typewriter font to be a fixed font.

```
\DeclareFixedFont{\typewriterfont}
    {\encodingdefault}{\ttdefault}{\mddefault}{\updefault}{10}
⟨/package⟩
```

`\@changed@x@err` Switch off the error message from missing glyphs.

```
\def\@changed@x@err#1{%
    \textbf{?}\PackageInfo{fontsmpl}{%
      Command \protect#1 undefined in encoding \f@encoding%
    }%
}
```