The **fontbook** package

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1 Introduction

X∃TEX allows us to make use of pretty much all possible fonts. With all the possible fonts that can be used and the many features provided by OpenType fonts, it can be useful to compile a font book of your favorite fonts, so you can find the one you need more easily. This is what the **fontbook** package is about.

2 Usage

To use this package, simply include it:

```
\usepackage{fontbook}
```

2.1 Package Options

This package provides several options to fine-tune the way its commands react.

2.1.1 The **sizes** option

The **sizes** option lets you define which sizes are to be printed for each font. By default, all sizes from **huge** to **tiny** downward are used: **huge**, **LARGE**, **Large**, **large**, **normalsize**, **small**, **footnotesize**, **scriptsize**, **tiny**. This option can take a single value or a list of comma-separated values:

```
\usepackage[sizes={large,huge}]{fontbook}
```

2.1.2 The **features** option

Similarly to the **sizes** option, the **features** option lets you define which features you wish to print for each font. By default, the following features are used: **scshape**, **itshape**, **bfseries**. This option can take a single value or a list of comma-separated values:

```
\usepackage[features=scshape]{fontbook}
```

2.1.3 The **featuresize** option

By default, features are typeset in size large. This can be changed by passing the desired size name as the featuresize option:

```
\usepackage[featuresize=huge]{fontbook}
```

2.2 Package commands

\setsampletext

    Set the sample text used in the font demo.

\printfont

    This is the main command of this package It takes 2 mandatory arguments and 1 optional argument. The 2 mandatory arguments are the font name, as passed to fontspec, and the license. The optional argument is the fontspec option that allow to set OpenType features for example:

```
\printfont[Ligatures=Rare]{Linux Libertine O}{Public Domain}
```

3 Implementation

```
1 \ProvidesPackage{fontbook}
2 \RequirePackage{fontspec}
3 \RequirePackage{xunicode}
4 \RequirePackage{kvoptions}
5 \RequirePackage{etoolbox}
6 \SetupKeyvalOptions{
7    family=fontbook,
8    prefix=fontbook@,
9 }
```

Options

\fontbook@allsizes   Sizes

```
10 \def\fontbook@allsizes{%
11 huge, LARGE, Large, large, normalsize,
12 small, footnotesize, scriptsize, tiny}
13 \expandafter\DeclareStringOption\expandafter[\fontbook@allsizes]{sizes}
```

\fontbook@allfeatures   Features

```
14 \def\fontbook@allfeatures{%
15 scshape, itshape, bfseries}
16 \expandafter\DeclareStringOption\expandafter[\fontbook@allfeatures]{features}
17 \def\fontbook@defaultfeaturesize{large}
18 \expandafter\DeclareStringOption\expandafter[\fontbook@defaultfeaturesize]{featuresize}
19 \ProcessKeyvalOptions*
```

\fontbook@sampletext

```
20 \def\fontbook@sampletext{%
21 Dans l'affliction éphémère qui m'accable, je teste
22 la police d'affichage qui est utilisée sur cette page 1 2 3 4 5.
23 }
```

\sampletext

```
24 \newcommand{\sampletext}[2][]{%
25  {\par\csname#2\endcsname \csname#1\endcsname
26  #2 #1\\ \fontbook@sampletext}}
```

\setsampletext

```
27 \newcommand{\setsampletext}[1]{%
28  \def\fontbook@sampletext{#1}}
```

\samplefeature

```
29 \newcommand{\samplefeature}[1]{%
30  \sampletext[#1]{\fontbook@featuresize}}
31 %% TODO: call font once
32 %%%% print all variants
33 %
```

\printfont

```
34 \newcommand{\printfont}[3][\empty]{%
35   \fontspec[#1]{#2}
36   \section*{#2 #1 --- Licence: #3}
37   \ifx#1\empty
38     \addcontentsline{toc}{section}{#2}
39   \else
40     \addcontentsline{toc}{subsection}{#1}
41   \fi
42  \expandafter\forcsvlist\expandafter\sampletext\expandafter{\fontbook@sizes}
43  \expandafter\forcsvlist\expandafter\samplefeature\expandafter{\fontbook@features}
44   \pagebreak
45 }
```