

Easy font substitution

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Contributor: Special thanks to Ulrike Fischer who provided the indirect definition with active `\nfss@catcodes`.
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Identification:

```
\NeedsTeXFormat{LaTeX2e}
\ProvidesPackage{substitutefont}
[2012/04/30 v0.1.1 combine font families]
```

Abstract

Provide the `\substitutefont` macro for defining substitute fonts for specified font encodings.

Changelog:

2010-11-04	0.1	initial version
2012-04-30	0.1.1	documentation update, upload to CTAN

Usage

The macro `\substitutefont{<encoding>}{<family>}{<new-family>}` selects the font `<new-family>` as replacement for `<family>` if the font encoding is `<encoding>` in the variants “normal”, “italic”, “slanted”, and “small-caps” and the shapes “medium”, “bold”, and “bold-extended”.

Example: Use the *txtt* font family from [txfonts](#) instead of CM for monospaced text (enables monospaced-bold as well as monospaced-italic):

```
\substitutefont{T1}{txtt}{cmtt}
```

Implementation

```
\begingroup
\nfss@catcodes
\newcommand*{\substitutefont}[3]{%
```

```

\DeclareFontFamily{#1}{#2}{}
\DeclareFontShape{#1}{#2}{m}{n}{<->ssub * #3/m/n}{}
\DeclareFontShape{#1}{#2}{m}{it}{<->ssub * #3/m/it}{}
\DeclareFontShape{#1}{#2}{m}{sl}{<->ssub * #3/m/sl}{}
\DeclareFontShape{#1}{#2}{m}{sc}{<->ssub * #3/m/sc}{}
\DeclareFontShape{#1}{#2}{b}{n}{<->ssub * #3/b/n}{}
\DeclareFontShape{#1}{#2}{b}{it}{<->ssub * #3/b/it}{}
\DeclareFontShape{#1}{#2}{b}{sl}{<->ssub * #3/b/sl}{}
\DeclareFontShape{#1}{#2}{b}{sc}{<->ssub * #3/b/sc}{}
\DeclareFontShape{#1}{#2}{bx}{n}{<->ssub * #3/bx/n}{}
\DeclareFontShape{#1}{#2}{bx}{it}{<->ssub * #3/bx/it}{}
\DeclareFontShape{#1}{#2}{bx}{sl}{<->ssub * #3/bx/sl}{}
\DeclareFontShape{#1}{#2}{bx}{sc}{<->ssub * #3/bx/sc}{}
}
\global\let\substitutefont\substitutefont
\endgroup

```