The slemph LaTeX package
slanted emphasis (Frankenstein's gait)

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Version: 1.2 Date: 1999/02/25
Documentation revision: 1999/02/25

Abstract

The *slemph* package defines the commands `\itswitch`, `\slswitch`, `\textitswitch`, and `\textslswitch`, which switch between slanted or italic type and upright type. They can be used to represent emphasis with slanted type.

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Part I
Discussion

`\itswitch` `\itswitch` calls `\itshape` if the current font is not italic, and `\upshape` if the current font is italic.

`\slswitch` `\slswitch` calls `\slshape` if the current font is not slanted, and `\upshape` if the current font is slanted.

`\textitswitch` `\textitswitch {`⟨*text*⟩`}` sets its argument with `\itshape` if the current font is not italic, or `\upshape` if the current font is italic.

`\textslswitch` `\textslswitch {`⟨*text*⟩`}` sets its argument with `\slshape` if the current font is not slanted, or `\upshape` if the current font is slanted.

Regarding all four commands above, notice that the factory definition of `\em` would switch based on whether the current font was *sloped*, which includes both slanted and italic type. I think slanted and italic type are different enough that you can leave, say, an italic word in the midst of a slanted context and it will still communicate to the reader whatever italic type signifies in an upright context.

Part II
Implementation

1 Version control

\fileinfo
\DoXUsepackagE
\HaveECitationS
\fileversion
\filedate
\docdate
\PPOptArg

These definitions must be the first ones in the file.

```
\def\fileinfo{slanted emphasis (Frankenstein's gait)}
\def\DoXPackageS {}
\def\fileversion{v1.2}
\def\filedate{1999/02/25}
\def\docdate{1999/02/25}
\edef\PPOptArg {%
  \filedate\space \fileversion\space \fileinfo
}
```

If we're loading this file from a `\ProcessDTXFile` command (see the *compsci* package), then `\JusTLoaDInformatioN` will be defined; othewise we assume it is not (that's why the FunkY NamE).

If we're loading from `\ProcessDTXFile`, we want to load the packages listed in `\DoXPackageS` (needed to typeset the documentation for this file) and then bail out. Otherwise, we're using this file in a normal way as a package, so do nothing. `\DoXPackageS`, if there are any, are declared in the `dtx` file, and, if you're reading the typeset documentation of this package, would appear just above. (It's OK to call `\usepackage` with an empty argument or `\relax`, by the way.)

```
\makeatletter% A special comment to help create bst files.  Don't change!
\@ifundefined{JusTLoaDInformatioN} {%
  }{% ELSE (we know the compsci package is already loaded, too)
  \UndefineCS\JusTLoaDInformatioN
  \SaveDoXVarS
  \eExpand\csname DoXPackageS\endcsname\In {%use \csname in case it's undefined
    \usepackage{#1}%
  }%
  \RestoreDoXVarS
  \makeatother
  \endinput
}% A special comment to help create bst files.  Don't change!
```

Now we check for LaTeX2e and declare the LaTeX package.

```
\NeedsTeXFormat{LaTeX2e}
\ProvidesPackage{slemph}[\PPOptArg]
```

2 The switchers

\itswitch
\textitswitch
\slswitch
\textslswitch

Normally we would use the `\NewRobustCommand` and `\NewTextFontCommand` commands from the *moredefs* package, but this package is so small we might as well do that by hand and avoid dependence on that larger package, for efficiency.

```
\newcommand\itswitch {}
\newcommand\slswitch {}
\newcommand\textitswitch {}
\newcommand\textslswitch {}
```

```
\DeclareRobustCommand\itswitch {%
  \@nomath\itswitch
  \def\reserved@a{it}%
  \ifx\f@shape\reserved@a
    \upshape
  \else
    \itshape
  \fi
}
\DeclareRobustCommand\slswitch {%
  \@nomath\slswitch
  \def\reserved@a{sl}%
  \ifx\f@shape\reserved@a
    \upshape
  \else
    \slshape
  \fi
}
\DeclareTextFontCommand\textitswitch\itswitch
\DeclareTextFontCommand\textslswitch\slswitch
```

Part III
Configuration

Load a configuration file.

```
\InputIfFileExists{slemph.cfg}{}{}
```

The contents of the distributed configuration file are below.

```
\def\fileinfo{slemph package configuration}
\def\fileversion{v1.0}
\def\filedate{1996/01/24}
\def\docdate{1996/01/24}
\ProvidesFile{slemph.cfg}
```

`\em` Slanted emphasis.

```
\let\em\slswitch
```

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