

The stealcaps package*

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This little package is mainly meant to be used when there is a (TrueType or OpenType) font that does not provide real small capitals. Some tend to use uppercased letters as a workaround – it is a bad workaround! In fact, I consider it better practice to borrow, or steal the small capitals from another font. And this is exactly what the package does. This might also be useful in the rare case that someone does not like the present small capitals, and wants to change them, or likes those from another font better.

However, to achieve the borrowing one does only need to load the package and specify the name of the target font via the *from* option:

```
\usepackage[from=<font name>]{stealcaps}
```

It works with both pdfL^AT_EX and its successors XeL^AT_EX and LuaL^AT_EX. In the first case you have to make sure the font name is NFSS compliant. Otherwise, it has to be fontspec compliant.

As for v1.1 in XeL^AT_EX and LuaL^AT_EX you are able to use

```
\renewcaps{<font name>}
```

to override `\scshape` altogether. This is mainly meant to be used if you have a single purpose font that provides only small capitals, e.g.:

```
\renewcaps{Cormorant SC}.
```

The implementation is rather simple and straightforward.

As usual, we start by loading what is required:

```
1 \RequirePackage{pgfopts}
2 \RequirePackage{iftex}
```

We have to load fontspec in case XeL^AT_EX or LuaL^AT_EX, hence not pdfL^AT_EX is in use, to make sure the `\fontspec` command, used by this package, is guaranteed to be defined.

```
3 \ifPDFTeX\else
4   \RequirePackage{fontspec}
5 \fi
```

*This document corresponds to stealcaps v1.1, dated 2022/11/07.

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Then we set up the only package option and commence its processing.

```
6 \pgfkeys{
7   /stc/.cd,
8   from/.store in=\font@from@stc
9 }
10 \ProcessPgfOptions{/stc}
```

To distinguish between the operating engines there are two macros to select the replacement font (one for fontspec powered ones and one for good old pdfL^AT_EX), which then are `\let` to `\font@stc` according to the engine in use.

```
11 \def\font@xe@or@lua@stc{\fontspec}
12 \def\font@pdf@stc{\fontfamily}
13 \def\selectfont@or@relax@stc{\relax}
14 \ifPDFTeX
15   \let\font@stc\font@pdf@stc
16   \let\selectfont@or@relax@stc\selectfont
17 \else
18   \let\font@stc\font@xe@or@lua@stc
19 \fi
```

The replacement font is loaded by employing `\font@stc` inside a group and substituting the small captials fonts employing `\DeclareFontShape` with `'ssub'`.

```
20 \begingroup
21   \ifx\font@from@stc@empty\else
22     \font@stc\font@from@stc\selectfont@or@relax@stc
23     \DeclareFontShape{\f@encoding}{\rmdefault}{m}{sc}{%
24       <-> ssub * \f@family/m/sc
25     }{}
26     \DeclareFontShape{\f@encoding}{\rmdefault}{bx}{sc}{%
27       <-> ssub * \f@family/bx/sc
28     }{}
29   \fi
30 \endgroup
```

At last there is a user macro for XeTeX and LuaTeX environments to renew `\scshape` to a dedicated only small captials TrueType or OpenType font, e.g. `\renewcaps{Cormorant SC}`.

```
31 \newcommand*\renewcaps[1]{%
32   \ifPDFTeX
33     \typeout{%
34       You tried to use |\renewcaps| in pdfLaTeX,
35       which isn't needed.
36       Or did you mean to use XeLaTeX or LuaLaTeX?
37     }
38   \else
39     \providefontfamily\scshape{#1}%
40     \renewfontfamily\scshape{#1}%
41   \fi
42 }
```