

Package fxeff

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Abstract

Package `fxeff` provides an user interface for the GeX plugin `fxeff` of VTeX. The plugin implements effects such as slanting, cascading or fading.

1 Installation

A 7.3+ VTeX compiler is needed for running the plugin `fxeff` that will be installed in the directory `vtex/bin/gex/`.

The package is unpacked by compiling `fxeff.ins` with TeX:

```
tex fxeff.ins      or
vlatex fxeff.ins
```

The package file `fxeff.sty` is then moved to the direcorey:

```
texmf/tex/latex/fxeff/
```

2 User interface

The package `fxeff` is loaded like other LaTeX packages:

```
\usepackage{fxeff}
```

`\fxeffdefinecolor`

Because colors are given by rgb values, the VTeX color definitions of package `color` cannot be used, because the colors have an other format. The package defines the basic colors. Other colors can be defined by `\fxeffdefinecolor`. For example:

```
\fxeffdefinecolor{mycolor}[1 0 .5]
```

The rgb value of the color are given in square brackets, separated by spaces unlike the `color` package.

`fxeff`

The environment `fxeff` applies an effect for the GeX plugin `fxeff` to its contents. Spaces before or after are ignored. An optional argument for the position

can contain one of the letters `b`, `c`, or `t` with a similar meaning of the argument for the `tabular` environment. The default is `b`.

The effect and its parameters are given by the syntax of package `keyval`. Options for all effects:

`width,height` As argument any TeX length can be given. The natural sizes are given by `\width`, `\height`, `\depth`, and `\totalheight`.

`outline` Either of the outline options activates the outline.

`outlinecolor` The color is given as `rgb` values in square brackets, separated by spaces (`[0 .8 .5]`), or by name in sharp brackets (`<red>`). Default is black.

`outlinewidth` The width of the outline. The default is 1 bp.

`fillcolor` One or several colors as `rgb` values in square brackets, separated by spaces or in sharp brackets by name, see option `outlinecolor`.

`gradient` The gradient is either `h` or `v`. It affects color, if several fillcolors are given, otherwise brightness.

All arguments for the effects have to be in the range between zero and one without zero itself. The following effects know one argument:

`SlantUp/SlantDown` The parameter defines the raise relative to the text height.

`FadeUp/FadeDown/FadeRight/FadeLeft` The parameter sets the width of the top/bottom/right/left relative to the bottom/top/left/right.

Two parameters are needed for the rest of the effect options:

`CascadeUp/CascadeDown` The parameters define the leftmost and the rightmost parts relative to the height of the contents.

`TriangleUp/TriangleDown` The first parameter specifies the height relative to the text height, the second parameter the location of the triangle's top relative to the text width.

`ChevronUp/ChevronDown` The first parameter defines the relative height of the chevron, the second the relative location of the top.

`Stop` The first parameter defines the leftmost and rightmost relative height, the second defines the relative width of the left and right growing area and should be less than 0.5 therefore.

The test file `testfx.tex` shows some examples of use.