

The fancytabs package*

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Abstract

The fancytabs package allows to insert tabs on the border of pages.

1 Usage

1.1 Adding a tab

`\fancytab` The `\fancytab` macro adds a new tab. It takes two mandatory arguments, and one optional: `\fancytab[<LEFT,RIGHT>]{<text>}{<position>}` and displays the text in the tab, on given vertical position, at LEFT or RIGHT horizontal position. Default is RIGHT.

1.2 Adding a tab to all odd pages with scrpage2

The following code adds a tab with the chapter name, positioned by chapter order, on each odd page.

```
\documentclass{scrbook}
\usepackage{scrpage2}
\usepackage{fancytabs}
\usepackage{lipsum}

% Capture chapter head
\let\oldchapter\chapter
\newcommand\temphead{}
\newcommand\chaphead{}
\renewcommand\chapter[2][\temphead]{%
  \renewcommand\temphead{#2}%
  \renewcommand\chaphead{#2}%
  \oldchapter[#1]{#2}}

% Set central right header to display tab
```

*This document corresponds to fancytabs 1.9, dated 2016/03/29.

```

% for both scrplain and scrheadings
\cohead[\fancyscript{\chaphead}{\thechapter}]
      {\fancyscript{\chaphead}{\thechapter}}
\renewcommand*{\chapterpagestyle}{scrplain}
\pagestyle{scrheadings}

\begin{document}
\chapter{A chapter}

\lipsum
\lipsum

\end{document}

```

1.3 Parameters

<code>\fancyscriptStyle</code>	The style of the text in the tab. Default is <code>\Large\scshape</code> .
<code>\fancyscriptHeight</code>	Define the height of the tab. Default is 4cm.
<code>\fancyscriptWidth</code>	Define the height of the tab. Default is 1cm.
<code>\fancyscriptCount</code>	Define the maximum amount of tabs on a page. After <code>\tabcount</code> tabs are displayed, the next tab is displayed on top of the page again. Default is 6.
<code>\fancyscriptLeftColor</code>	Define the left color for the tab gradient. Default is <code>white</code> .
<code>\fancyscriptRightColor</code>	Define the right color for the tab gradient. Default is <code>gray!50</code> .
<code>\fancyscriptTop</code>	Define margin on top of the top tab. Default is <code>\tab@height</code> .
<code>\fancyscriptTextVPos</code>	Define the relative vertical position of the text in the tab. Default is 0.5.
<code>\fancyscriptTextHPos</code>	Define the relative horizontal position of the text in the tab. Default is <code>\tab@textvpos</code> .
<code>\fancyscriptGap</code>	Define the gap between two tabs. Default is 0in.
<code>\fancyscriptFloor</code>	Define the starting number for incrementation. This is useful if you want to pass for example <code>\arabic{chapter}</code> as counter but not put tabs for previous chapters. Default is 0.
<code>\fancyscriptRotate</code>	Define the text rotation. Default is 90.

2 Implementation

```

1 \ProvidesPackage{fancyscript}
2 \RequirePackage{tikz}
3 \RequirePackage{etoolbox}

```

Variables

```

4 \newcommand{\tab@style}{\Large\scshape}
5 \newlength{\tab@height}
6 \setlength{\tab@height}{4cm}
7 \newlength{\tab@width}
8 \setlength{\tab@width}{1cm}
9 \newcommand{\tab@count}{6}

```

```

10 \newcommand{\tab@leftcolor}{white}
11 \newcommand{\tab@rightcolor}{gray!50}
12 \newlength{\tab@top}
13 \setlength{\tab@top}{\the\tab@height}
14 \newcommand{\tab@textvpos}{0.5}
15 \newcommand{\tab@texthpos}{\tab@textvpos}
16 \newlength{\tab@gap}
17 \setlength{\tab@gap}{0in}
18 \newcommand{\tab@floor}{0}
19 \newcommand{\tab@rotate}{90}

```

Accessors

```

20 \newcommand{\fancytabsStyle}[1]{\renewcommand{\tab@style}{#1}}
21 \newcommand{\fancytabsHeight}[1]{\setlength{\tab@height}{#1}}
22 \newcommand{\fancytabsWidth}[1]{\setlength{\tab@width}{#1}}
23 \newcommand{\fancytabsCount}[1]{\renewcommand{\tab@count}{#1}}
24 \newcommand{\fancytabsLeftColor}[1]{\renewcommand{\tab@leftcolor}{#1}}
25 \newcommand{\fancytabsRightColor}[1]{\renewcommand{\tab@rightcolor}{#1}}
26 \newcommand{\fancytabsTop}[1]{\setlength{\tab@top}{#1}}
27 \newcommand{\fancytabsTextVPos}[1]{\renewcommand{\tab@textvpos}{#1}}
28 \newcommand{\fancytabsTextHPos}[1]{\renewcommand{\tab@texthpos}{#1}}
29 \newcommand{\fancytabsGap}[1]{\setlength{\tab@gap}{#1}}
30 \newcommand{\fancytabsFloor}[1]{\renewcommand{\tab@floor}{#1}}
31 \newcommand{\fancytabsRotate}[1]{\renewcommand{\tab@rotate}{#1}}

```

Babel safety Some babel packages (such as frenchb) handle semi-colons which is incompatible with tikz. This part disables semi-colon handling by babel locally.

```

32 \AtBeginDocument{\@ifpackageloaded{babel}
33   {\@ifundefined{active@char;}{}{%
34     \g@addto@macro\tikz@installcommands{%
35       \shorthandoff{;}%
36     \g@addto@macro\tikz@uninstallcommands{%
37       \shorthandon{;}%
38     }%
39   }{}%
40 }

```

\fancytab We define the \fancytab macro to generate a new tab.

```

41 \newcommand{\fancytab}[3][RIGHT]{%
42   \ifstrequal{#1}{LEFT}
43     {
44       \newcommand{\eastwest}{west}
45       \newcommand{\multiplier}{0.5}
46     }
47     {%else
48       \newcommand{\eastwest}{east}
49       \newcommand{\multiplier}{-0.5}
50     }
51   \begin{tikzpicture}[remember picture,overlay]%

```

```

52   \node[yshift={-1*(\the\tab@top+\the\tab@height/2+
53             mod(#3-1-\tab@floor,\tab@count)*
54             (\the\tab@height+\the\tab@gap))},
55         xshift=\multiplier*\the\tab@width]
56   at (current page.north \eastwest) {
57     \tikz\shade[shading=axis,bottom color=\tab@leftcolor,
58              top color=\tab@rightcolor,shading angle=-90]
59     (0,0) rectangle (\the\tab@width,\the\tab@height)
60     node[rotate=0]
61     at (\tab@textpos*\the\tab@width,\tab@textvpos*\the\tab@height)
62     {\rotatebox{\tab@rotate}{\tab@style#2}};%
63   };%
64 \end{tikzpicture}%
65 }

```