

# The fancytabs package\*

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1.7 from 2011/09/04

## 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 arguments: `\fancytab{<text>}{<position>}` and displays the text in the tab, on given vertical position.

### 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
% for both scrplain and scrheadings
\cohead[\fancytab{\chaphead}{\thechapter}]
  {\fancytab{\chaphead}{\thechapter}}
```

---

\*This document corresponds to fancytabs 1.7, dated 2011/09/04.

```

\renewcommand*{\chapterpagestyle}{scrplain}
\pagestyle{scrheadings}

\begin{document}
\chapter{A chapter}

\lipsum
\lipsum

\end{document}

```

### 1.3 Parameters

<code>\fancytabsStyle</code>	The style of the text in the tab. Default is <code>\Large\scshape</code> .
<code>\fancytabsHeight</code>	Define the height of the tab. Default is <code>4cm</code> .
<code>\fancytabsWidth</code>	Define the height of the tab. Default is <code>1cm</code> .
<code>\fancytabsCount</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 <code>6</code> .
<code>\fancytabsLeftColor</code>	Define the left color for the tab gradient. Default is <code>white</code> .
<code>\fancytabsRightColor</code>	Define the right color for the tab gradient. Default is <code>gray!50</code> .
<code>\fancytabsTop</code>	Define margin on top of the top tab. Default is <code>\tab@height</code> .
<code>\fancytabsTextVPos</code>	Define the relative vertical position of the text in the tab. Default is <code>0.5</code> .
<code>\fancytabsTextHPos</code>	Define the relative horizontal position of the text in the tab. Default is <code>\tab@textvpos</code> .
<code>\fancytabsGap</code>	Define the gap between two tabs. Default is <code>0in</code> .
<code>\fancytabsFloor</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 <code>0</code> .

## 2 Implementation

```

1 \ProvidesPackage{fancytabs}
2 \RequirePackage{tikz}

```

#### Variables

```

3 \newcommand{\tab@style}{\Large\scshape}
4 \newcommand{\tab@height}{4cm}
5 \newcommand{\tab@width}{1cm}
6 \newcommand{\tab@count}{6}
7 \newcommand{\tab@leftcolor}{white}
8 \newcommand{\tab@rightcolor}{gray!50}
9 \newcommand{\tab@top}{\tab@height}
10 \newcommand{\tab@textvpos}{0.5}
11 \newcommand{\tab@texthpos}{\tab@textvpos}
12 \newcommand{\tab@gap}{0in}
13 \newcommand{\tab@floor}{0}

```

## Accessors

```

14 \newcommand{\fancytabsStyle}[1]{\renewcommand{\tab@style}{#1}}
15 \newcommand{\fancytabsHeight}[1]{\renewcommand{\tab@height}{#1}}
16 \newcommand{\fancytabsWidth}[1]{\renewcommand{\tab@width}{#1}}
17 \newcommand{\fancytabsCount}[1]{\renewcommand{\tab@count}{#1}}
18 \newcommand{\fancytabsLeftColor}[1]{\renewcommand{\tab@leftcolor}{#1}}
19 \newcommand{\fancytabsRightColor}[1]{\renewcommand{\tab@rightcolor}{#1}}
20 \newcommand{\fancytabsTop}[1]{\renewcommand{\tab@top}{#1}}
21 \newcommand{\fancytabsTextVPos}[1]{\renewcommand{\tab@textvpos}{#1}}
22 \newcommand{\fancytabsTextHPos}[1]{\renewcommand{\tab@texthpos}{#1}}
23 \newcommand{\fancytabsGap}[1]{\renewcommand{\tab@gap}{#1}}
24 \newcommand{\fancytabsFloor}[1]{\renewcommand{\tab@floor}{#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.

```

25 \AtBeginDocument{\ifpackageloaded{babel}
26   {\@ifundefined{active@char;}{;%
27     \g@addto@macro\tikz@installcommands{%
28       \shorthandoff{;};%
29     \g@addto@macro\tikz@uninstallcommands{%
30       \shorthandon{;};%
31   };%
32   }{;%
33 }

```

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

```

34 \newcommand{\fancytab}[2]{%
35   \begin{tikzpicture}[remember picture,overlay]%
36     \node[yshift={-1*(\tab@top+\tab@height/2+
37       mod(#2-1-\tab@floor,\tab@count)*
38       (\tab@height+\tab@gap))},
39       xshift=-0.5*\tab@width]
40     at (current page.north east) {
41       \tikz\shade[shading=axis,bottom color=\tab@leftcolor,
42         top color=\tab@rightcolor,shading angle=-90]
43       (0,0) rectangle (\tab@width,\tab@height)
44       node[rotate=0]
45         at (\tab@texthpos*\tab@width,\tab@textvpos*\tab@height)
46         {\rotatebox{90}{\tab@style#1}};%
47     };%
48   \end{tikzpicture}%
49 }

```