

The `kauparts` package*

Stefan Berthold
`stefan.berthold@kau.se`

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1 Introduction

This package defines a new `\part` macro, `\kaupart`. It is independent of `\part`, but you should decide yourself for one alternative only. The `\kaupart` macro adds a cover page for the new part.

2 Usage

Use the package options `vshift` and `vstep` to adjust the placement of the thumb indices on the cover pages.

`\kaupart` Use `\kaupart[⟨meta⟩]{⟨title⟩}` to create a numbered part with the given `⟨title⟩`. You may use the optional argument `⟨arg⟩` for adding meta data. This includes `body` for typing additional material on the cover page and `label` for creating a label such as usually created by `\label`. In addition, the switch `tocentry` may be set to false, if the macro should not add an entry to the table of contents.

`\kaupart*` The starred version of `\kaupart` works exactly like the unstarred version, but creates an unnumbered part.

3 Implementation

```
1 \RequirePackage{xkeyval}
2
3 \define@cmdkeys[kup]{pkg}[kup@]{vshift,vstep}
4 \setkeys[kup]{pkg}{vshift=2,vstep=0.8}
5
6 \ProcessOptionsX[kup]<pkg>
7
8 \RequirePackage{calc}
9 \RequirePackage{ifthen}
10 \RequirePackage{suffix}
11 \RequirePackage{tikz}
12 \usetikzlibrary{positioning}
13
14 \define@cmdkeys[kup]{part}[kup@]{body,label}
15 \define@boolkeys[kup]{part}[kup@]{tocentry}
```

*This document corresponds to `kauparts` v1.1, dated 2011/06/05.

```

16
17 \newcounter{kup@part}
18 \newcounter{kup@vertical}
19 \setcounter{kup@vertical}{0}
20
21 \newcommand\kup@partheadline[2]{%
22   \path[node distance=1ex] (current page.north east) +(3pt,\kup@vshift+\kup@vstep*\arabic{kup@part})
23   node%
24     [ anchor=north east%
25       , minimum width=2cm+3pt%
26       %, minimum height=7mm%
27       %, draw=black%
28       %, fill=black%
29       , left color=white%
30       , right color=black%
31       , text=white%
32       , font=\LARGE\bfseries%
33       ] (bar) {#1}%
34   node[base left=of bar,font=\LARGE\bfseries] {#2};%
35 }

\kupart
36 \newcommand\kupart[2][]{%
37   \cleardoublepage%
38   \thispagestyle{plain}%
39   \stepcounter{kup@part}%
40   \setkeys[kup]{part}{body=\relax,label=,tocentry=true,#1}%
41   \ifkup@tocentry%
42     \addcontentsline{toc}{part}{\numberline{\Roman{kup@part}}\textsc{#2}}%
43   \fi%
44   \renewcommand\@currentlabel{\Roman{kup@part}}%
45   \ifthenelse{\equal{\kup@label}{}}{\label{\kup@label}}{}%
46   \begin{tikzpicture}[remember picture,overlay,yscale=-1]%
47     \kup@partheadline{\Roman{kup@part}}{#2}%
48   \end{tikzpicture}%
49   \kup@body
50   \stepcounter{kup@vertical}%
51   \cleardoublepage%
52 }

\kupart*
53 \WithSuffix\newcommand\kupart*[2][]{%
54   \cleardoublepage%
55   \thispagestyle{plain}%
56   \setkeys[kup]{part}{body=\relax,tocentry=true,#1}%
57   \ifkup@tocentry%
58     \addcontentsline{toc}{part}{\textsc{#2}}%
59   \fi%
60   \begin{tikzpicture}[remember picture,overlay,yscale=-1]%
61     \kup@partheadline{\vphantom{X}}{#2}%
62   \end{tikzpicture}%
63   \kup@body
64   \stepcounter{kup@vertical}%
65   \cleardoublepage%

```


Change History

v1.0	v1.1
General: SBe's licentiate version . . . 1	General: Initial public release 1

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Numbers written in *italic* refer to the page where the corresponding entry is described; numbers underlined refer to the code line of the definition; numbers in *roman* refer to the code lines where the entry is used.

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	\ifthenelse 45	
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