The **cuted** package

Sigitas Tolušis

sigitas@vtex.lt

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1 Introduction

It is denoted to place some material in full-width at any place on double-column page (\twocolumn mode). The part of material can be placed on the next page. Existing text is placed under inserted material in two columns (it is reformatted).

To compare with the previous version the package is rewritten with new cropped balancing algorithm version and new options from `flushend.sty, v4.0`.

It is extended to mix onecolumn and twocolumn typesetting in the same document

2 Usage

strip Provides new environment:

```
\begin{strip}
<wide onecolumn material>
\end{strip}
```

Puts \vbox{⟨*wide onecolumn material*⟩} in full-width on double-column page.

It can be problems with floats and footnotes. In the case of problems with footnotes it is possible to correct the situation using commands \footnotemark and \footnotetext.

preCutedStrip {⟨*tokens*⟩}
Before the strip \stripsep glue and \the\preCutedStrip token list ⟨*tokens*⟩ are added.

postCutedStrip {⟨*tokens*⟩}
After the strip \the\postCutedStrip token list ⟨*tokens*⟩ and \stripsep glue are added.

stripsep By default: \stripsep=15pt plus2pt minus 2pt.

\oldcolsbreak {⟨*adds*⟩}
Adds ⟨*adds*⟩ in place of original column break if strip is placed on the right column. Seems, it should be unnecessary as current version uses `pagediscards` dimensions to restore original vertical skip.

`\switchonecolumn`

Starts onecolumn typesetting from the current page.

`\switchtwocolumn`

Starts twocolumn typesetting from the current page.

2.1 Package options

⟨`spread`⟩ `[default]` It enables columns spreading trying to balance.

⟨`nospread`⟩ It disables columns spreading trying to balance.

⟨`shrink`⟩ `[default]` It enables columns shrinking trying to balance.

⟨`noshrink`⟩ It disables columns shrinking trying to balance.

Similiar options exist for single column separatly:

`lspread`, `nolspread`, `lshrink`, `nolshrink` – for left column

`rspread`, `norspread`, `rshrink`, `norshrink` – for right column

⟨`debug`⟩ Adds rules to the bottom of columns (just for debugging) and some additional log info.

⟨`nodebug`⟩ `[default]` Skips putting debuging lines and additional info.