# The cuted package

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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. The existing text is placed under inserted material in two columns (it is reformatted).

Another usage is to combine the `onecolumn` and `twocolumn` typesetting in the same document using commands: `\switchonecolumn` and `\switchtwocolumn`.

## 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`

It starts with onecolumn typesetting from the current spot on the page.

`\switchtwocolumn`

It starts with twocolumn typesetting from the current spot on the 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.