The \texttt{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 (\texttt{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 \texttt{flushend.sty}, v4.0.

2 Usage

\begin{strip}
\begin{wideonecolumnmaterial}
\end{wideonecolumnmaterial}
\end{strip}

Puts $\vbox{\langle \begin{wideonecolumnmaterial} \end{wideonecolumnmaterial} \rangle}$ 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 \texttt{\footnotemark} and \texttt{\footnotetext{}}.

\begin{verbatim}
preCutedStrip \{\langle tokens\rangle\}
\end{verbatim}

Before the strip \texttt{\stripsep} glue and \texttt{\the\preCutedStrip} token list \texttt{(tokens)} are added.

\begin{verbatim}
postCutedStrip \{\langle tokens\rangle\}
\end{verbatim}

After the strip \texttt{\the\postCutedStrip} token list \texttt{(tokens)} and \texttt{\stripsep} glue are added.

\begin{verbatim}
stripsep \{\langle adds\rangle\}
\end{verbatim}

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

\begin{verbatim}
\oldcolsbreak \{\langle adds\rangle\}
\end{verbatim}

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

Similar options exist for single column separately:
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 debugging lines and additional info.