Abstract

This package provides new commands and environments for setting ragged text which are easy to configure to allow hyphenation. An earlier attempt to do this was the style `raggedright` \[9\] by the same author.

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\[10:55:19 +0200.\]
\[\text{\textsuperscript{†}}\text{maintained by Marei Peischl}\]
1 THE PROBLEM

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1 The problem

\LaTeX{} has three commands (\texttt{\centering}, \texttt{\raggedleft}, and \texttt{\raggedright}) and three environments (\texttt{center}, \texttt{flushleft}, and \texttt{flushright}) to typeset ragged text. The environments are based upon the commands (\texttt{center} uses \texttt{\centering}, \texttt{flushleft} \texttt{\raggedright}, and \texttt{flushright} \texttt{\raggedleft}).

These commands have, however, one serious flaw: they render hyphenation almost impossible, and thus the text looks \textit{too} ragged, as the following example shows:

\raggedright:

\texttt{\LaTeX{} document preparation system is a special version of Donald Knuth's \TeX{} program. \TeX{} is a sophisticated program designed to produce high-quality typesetting, especially for mathematical text." [5, p. xiii]}

\raggedleft:

\texttt{The \LaTeX{} document preparation system is a special version of Donald Knuth's \TeX{} program. \TeX{} is a sophisticated program designed to produce high-quality typesetting, especially for mathematical text." [5, p. xiii]}

2 Old "solutions"

2.1 \LaTeX{}

\LaTeX{} defines \texttt{\raggedright} as follows:

\begin{verbatim}
1 \raggedright\%
2 \let\\@centercr
3 \rightskip\@flushglue
4 \rightskip\@flushglue
5 \rightskip\@flushglue
6 \@flushglue=0pt plus 1fil
7 \finalhyphendemerits=\z@
8 \leftskip\z@skip
9 \parindent\z@
\end{verbatim}

Initially, \texttt{\@flushglue} is defined as \texttt{0pt plus 1fil}. Knuth, however warns [4, p. 101]:

"For example, a person can set \texttt{\rightskip=0pt plus 1fil}, and every line will be filled with space to the right. But this isn't a particularly good way to make ragged-right margins, because the infinite stretchability will assign zero badness to lines that are very short. To do a decent job of ragged-right setting, the trick is to set \texttt{\rightskip} so that it will stretch enough to make line breaks possible, yet not too much, because short lines should be considered bad. Furthermore the spaces between words should be fixed so that they do not stretch or shrink."

2.2 plain

\texttt{plain} \TeX{} defines an special version of \texttt{\raggedright}, which operates the way Knuth describes it; but which can not be used whith
\LaTeX, because \LaTeX redefines \raggedright.

12 ⟨∗plain⟩
13 \def\raggedright{%  
14 \rightskip\z@ plus2em 
15 \spaceskip.3333em  
16 \xspaceskip.5em\relax%
17 \def\traggedright{%  
18 \tt \rightskip\z@ plus2em\relax%  
19 \rightskip\z@ plus2em\relax% 
20 (/plain)

3 Our solution

Since the plain solution can not be used with \LaTeX, we have to redefine it and make it possible to configure it for personal preferences.

3.1 The macros

\Centering, \RaggedLeft, and \RaggedRight can be used in the same way as \centering, \raggedleft, and \raggedright: Just type the command, and after that the whole text will be set centered, ragged-left or ragged-right.

For example, we switched on \RaggedRight on the top of this text, and consequently this text was set ragged-right.∗

\justifying \justifying switches back to justified text after ragged text has been switched on.

The new commands \Centering, \RaggedLeft, and \RaggedRight are fully compatible with their counterparts in \LaTeX, but implement the plain solution and can be easily configured using the following parameters:

3.2 The parameters

<table>
<thead>
<tr>
<th>Command</th>
<th>Uses</th>
</tr>
</thead>
<tbody>
<tr>
<td>\Centering</td>
<td>\CenteringLeftskip, \CenteringRightskip, \CenteringParfillskip, \CenteringParindent</td>
</tr>
<tr>
<td>\RaggedLeft</td>
<td>\RaggedLeftLeftskip, \RaggedLeftRightskip, \RaggedLeftParfillskip, \RaggedLeftParindent</td>
</tr>
<tr>
<td>\RaggedRight</td>
<td>\RaggedRightLeftskip, \RaggedRightRightskip, \RaggedRightParfillskip, \RaggedRightParindent</td>
</tr>
<tr>
<td>\justifying</td>
<td>\JustifyingParfillskip, \JustifyingParindent</td>
</tr>
</tbody>
</table>

All Parameters can be set with \setlength, e.g.

\setlength{\RaggedRightRightskip}{Opt plus 1em}

sets \RaggedRightRightskip to Opt plus 1em.

\CenteringLeftskip, \RaggedLeftLeftskip, \RaggedRightLeftskip

These are the \texttt{leftskips} inserted by \Centering, \RaggedLeft, and \RaggedRight.∗For this documentation we also set \RaggedRightRightskip higher than usual (Opt plus 4em instead of Opt plus 2em) because of all the long command names which make linebreaking difficult.
3 OUR SOLUTION

\RaggedRight.

"\leftskip (glue at left of justified lines)" [4, p. 274]

\leftskip must be set to a finite value, to make hyphenation possible. Setting it to infinite values like 0pt plus 1fil makes hyphenation almost impossible.

These are the \rightskips inserted by \Centering, \RaggedLeft, and \RaggedRight.

\rightskip (glue at right of justified lines) [4, p. 274]

\rightskip must be set to a finite value, to make hyphenation possible. Setting it to infinite values like 0pt plus 1fil makes hyphenation almost impossible.

These are the \parfillskips inserted by \Centering, \RaggedLeft, \RaggedRight, and \Justifying.

\parfillskip (additional \rightskip at end of paragraphs) [4, p. 274]

The normal setting for \parfillskip is 0pt plus 1fil; the parameters are provided for testing combinations of \{left|right\}skip and \parfillskip.

These are the \parindent used by \Centering, \RaggedLeft, \RaggedRight, and \Justifying.

\parindent is the indent of the first line of a paragraph and should be set to 0pt, since indented lines in ragged text do not look good.

The parameters have the following initial setting:
4 OPTIONS

<table>
<thead>
<tr>
<th>Parameter</th>
<th>\LaTeX setting</th>
<th>ragged2e setting†</th>
</tr>
</thead>
<tbody>
<tr>
<td>\CenteringLeftskip</td>
<td>Opt plus 1fil</td>
<td>Opt plus 2em</td>
</tr>
<tr>
<td>\RaggedLeftLeftskip</td>
<td>Opt plus 1fil</td>
<td>Opt plus 2em</td>
</tr>
<tr>
<td>\RaggedRightLeftskip</td>
<td>Opt plus Opt</td>
<td>minus Opt</td>
</tr>
<tr>
<td>\CenteringRightskip</td>
<td>Opt plus 1fil</td>
<td>Opt plus 2em</td>
</tr>
<tr>
<td>\RaggedLeftRightskip</td>
<td>Opt plus Opt</td>
<td>minus Opt</td>
</tr>
<tr>
<td>\RaggedRightRightskip</td>
<td>Opt plus 1fil</td>
<td>Opt plus 2em</td>
</tr>
<tr>
<td>\CenteringParfillskip</td>
<td>Opt plus Opt</td>
<td>minus Opt</td>
</tr>
<tr>
<td>\RaggedLeftParfillskip</td>
<td>Opt plus Opt</td>
<td>minus Opt</td>
</tr>
<tr>
<td>\RaggedRightParfillskip</td>
<td>Opt plus Opt</td>
<td>minus Opt</td>
</tr>
<tr>
<td>\CenteringParindent</td>
<td>Opt</td>
<td></td>
</tr>
<tr>
<td>\RaggedLeftParindent</td>
<td>Opt</td>
<td></td>
</tr>
<tr>
<td>\RaggedRightParindent</td>
<td>Opt</td>
<td></td>
</tr>
<tr>
<td>\JustifyingParfillskip</td>
<td>Opt plus 1fil</td>
<td></td>
</tr>
<tr>
<td>\JustifyingParindent</td>
<td>\parindent</td>
<td></td>
</tr>
</tbody>
</table>

3.3 The environments

Center (env.) Center is fully compatible with center, but uses \Centering instead of \centering.

FlushLeft (env.) FlushLeft is fully compatible with flushleft, but uses \RaggedRight instead of \raggedright.

FlushRight (env.) FlushRight is fully compatible with flushright, but uses \RaggedLeft instead of \raggedleft.

justify (env.) justify is like the other environments but uses \justifying.

E.g. FlushLeft can be used in the same way as flushleft:

\begin{FlushLeft}
⟨text, which is set ragged-right⟩
\end{FlushLeft}

4 Options

This package has the following options:

originalcommands The \LaTeX-commands \centering, \raggedleft, and \raggedright and the \LaTeX-environments center, flushleft, and flushright remain unchanged.

It is the default.

†For proportional and monospaced fonts.
5 **REQUIRED PACKAGES**

newcommands The \LaTeX\-commands \texttt{\centering}, \texttt{\raggedleft}, and
\texttt{\raggedright} and the \LaTeX\-environments \texttt{center}, \texttt{flushleft}, and
\texttt{flushright} are set equal to their counterparts defined by \texttt{ragged2e}.
Thus \texttt{\raggedright} invokes \texttt{\RaggedRight}. The original commands
can be accessed under the Names \texttt{\LaTeX\langle original name\rangle}, e.g.
\texttt{\LaTeX\raggedright}.

originalparameters The parameters used by the commands implemented by
\texttt{ragged2e} are initialized with the default settings used by \LaTeX.

newparameters The parameters used by the commands implemented by
\texttt{ragged2e} are initialized with the default settings defined by \texttt{ragged2e}.
It is the default.

\texttt{raggedrightboxes} All \texttt{\parbox}s, \texttt{\minipage}s, \texttt{\marginpar}s and p-columns of
\texttt{\tabular}s and \texttt{\array}s are automatically set using \texttt{\RaggedRight}.

footnotes This option sets all footnotes ragged-right by loading the
\texttt{footmisc}[2] package with the \texttt{ragged} option.

document This option sets the complete document ragged-right by executing
a \texttt{\RaggedRight} at \texttt{\begin\{document\}} and the \texttt{raggedrightboxes}
and the \texttt{footnotes} option.

All other options are passed to the \texttt{footmisc} package if the \texttt{footnotes} option
is selected.

5 **Required packages**

This package requires the following packages:

everysel[8] (only if format older than 2021/01/05) It has been used to
distinguish between monospaced and proportional fonts as long as
the \LaTeX\ kernel did not provide the functionality with \texttt{lithooks}[6].
Formats newer than 2021/01/05 do no longer depend on \texttt{everysel}.

\texttt{footmisc}[2] It is used by the \texttt{footnotes} and the \texttt{document} options; at least
version 5.00 (2002/08/28) is needed.

6 **The implementation**

21 (*package)

6.1 **Initial Code**

\texttt{\if\raggedtwoe@originalcommands} \texttt{\if\raggedtwoe@originalcommands} is used to flag the use of the original-
commands or newcommands option.

22 \texttt{\newif\if\raggedtwoe@originalcommands}
6 THE IMPLEMENTATION

\if@raggedtwoe@originalparameters \if@raggedtwoe@originalparameters is used to flag the use of the originalparameters or newparameters option.
23 \newif\if@raggedtwoe@originalparameters
\if@raggedtwoe@footmisc \if@raggedtwoe@footmisc is used to flag the use of the footnotes option.
24 \newif\if@raggedtwoe@footmisc

6.2 Declaration of options

6.2.1 originalcommands option
The originalcommands and newcommands options control the meaning of the \LaTeX-commands for ragged text: If newcommands is used the \LaTeX-commands are set equal to the commands defined by ragged2e.
25 \DeclareOption{OriginalCommands}{\@raggedtwoe@originalcommandstrue}
26 \DeclareOption{originalcommands}{\@raggedtwoe@originalcommandstrue}
27 \DeclareOption{NewCommands}{\@raggedtwoe@originalcommandsfalse}
28 \DeclareOption{newcommands}{\@raggedtwoe@originalcommandsfalse}

6.2.2 originalparameters option
The originalparameters and newparameters options control the defaults for the parameters used by the commands implemented by ragged2e: If newparameters is used the parameters are set to the values defined by ragged2e.
29 \DeclareOption{OriginalParameters}{\@raggedtwoe@originalparameterstrue}
30 \DeclareOption{originalparameters}{\@raggedtwoe@originalparameterstrue}
31 \DeclareOption{NewParameters}{\@raggedtwoe@originalparametersfalse}
32 \DeclareOption{newparameters}{\@raggedtwoe@originalparametersfalse}

6.2.3 raggedrightboxes option
The option raggedrightboxes sets all \parboxes, minipages, \marginpars and p-columns of tabulares and arrays using \RaggedRight. This is done by redefining \arrayparboxrestore.
\if@raggedtwoe@raggedrightboxes@opt \if@raggedtwoe@raggedrightboxes@opt is the code executed via \ DeclareOption.
33 \newcommand*{\@raggedtwoe@raggedrightboxes@opt}{
First we check if \arrayparboxrestore is unchanged.
34 \CheckCommand*{\@arrayparboxrestore}{%
35 \let\if@nobreak\iffalse
36 \let\if@noskipsec\iffalse
37 \let\par\@@par
38 \let\-\@dischyph
39 \let\’\@acci\let\’\@accii\let\’\=\@acciii
Then we redefine it by removing the setting of \leftskip, \rightskip, \@rightskip and instead calling \RaggedRight.

Now we self-destroy so the command can be called more than once without causing harm (and it also frees up some space).

Finally the declaration of the option.

### 6.2.4 footnotes option

The option footnotes just sets a flag (\if@raggedtwoe@footmisc) to load the footmisc package and passes the option ragged to it.

The option document sets the complete document ragged-right by executing \RaggedRight via \AtBeginDocument and also executing the raggedrightboxes option.
\@raggedtwoe@abdhook is the code executed via \AtBeginDocument: Give a message on the terminal, execute \RaggedRight and self-destroy. We also make \@tocrmarg flexible; otherwise long lines in the table of contents (and similar tables) would not be broken because the spaceskip is rigid.

\newcommand{\@raggedtwoe@abdhook}{%
\PackageInfo{ragged2e}{ABD: executing \string\RaggedRight}%
\RaggedRight
@ifundefined{@tocrmarg}{}{\edef@tocrmarg{\@tocrmarg plus 2em}}%
\let@raggedtwoe@abdhook\relax
}%

\@raggedtwoe@document@opt is the code executed via \DeclareOption: Insert the code into \AtBeginDocument, execute the \raggedrightboxes and \footnotes options and self-destroy.

\newcommand{\@raggedtwoe@document@opt}{%
\AtBeginDocument{\@raggedtwoe@abdhook}%
\@raggedtwoe@raggedrightboxes@opt
\@raggedtwoe@footmisctrue
\let\@raggedtwoe@document@opt\relax
}%

Finally the declaration of the option.

\DeclareOption{document}{\@raggedtwoe@document@opt}

6.2.6 Other options

All unused options are passed to the \footmisc package if the \footnotes option is selected; otherwise the usual error is raised.

\DeclareOption*{%
@if\@raggedtwoe@footmisc
\PassOptionsToPackage{\CurrentOption}{footmisc}%
\else
\OptionNotUsed
\fi
}%

6.3 Executing options

The default options are \originalcommands and \newparameters.

\ExecuteOptions{originalcommands,newparameters}
\ProcessOptions\relax

6.4 Loading packages

We need the \everysel package for older kernels.

\providecommand\IfFormatAtLeastTF{\@ifl@t@r\fmtversion}
\IfFormatAtLeastTF{2021/01/05}{}{\RequirePackage{everysel}}
If the option footnotes is selected, we load the footmisc package after we
are finished (footmisc detects our presence by looking for the definition of
\RaggedRight, so we can not load it just now).

\if@raggedtwoe@footmisc
  \RequirePackage{footmisc}[2002/08/28]\fi

6.5 Allocations
First we allocate the parameters

\newlength{\CenteringLeftskip}
\newlength{\RaggedLeftLeftskip}
\newlength{\RaggedRightLeftskip}
\newlength{\CenteringRightskip}
\newlength{\RaggedLeftRightskip}
\newlength{\RaggedRightRightskip}
\newlength{\CenteringParfillskip}
\newlength{\RaggedLeftParfillskip}
\newlength{\RaggedRightParfillskip}
\newlength{\JustifyingParfillskip}
\newlength{\CenteringParindent}
\newlength{\RaggedLeftParindent}
\newlength{\RaggedRightParindent}
\newlength{\JustifyingParindent}

6.6 Initializations
Depending on \if@raggedtwoe@originalparameters we initialize the
parameters with the values \LaTeX uses for its own commands or with our
new parameters.

\if@raggedtwoe@originalparameters
  \CenteringLeftskip\@flushglue
  \RaggedLeftLeftskip\@flushglue
  \RaggedRightLeftskip\z@skip
  \CenteringRightskip\@flushglue
  \RaggedLeftRightskip\z@skip
  \RaggedRightRightskip\z@\@plus\tw@ em
  \CenteringParfillskip\z@skip
  \RaggedLeftParfillskip\z@skip
  \RaggedRightParfillskip\z@\@plus\tw@ em
  \CenteringParindent\z@
  \RaggedLeftParindent\z@
  \RaggedRightParindent\z@
\else
  \CenteringLeftskip\z@\@plus\tw@ em
  \RaggedLeftLeftskip\z@\@plus\tw@ em
  \RaggedRightLeftskip\z@skip
  \CenteringRightskip\z@\@plus\tw@ em
  \RaggedLeftRightskip\z@skip
  \RaggedRightRightskip\z@\@plus\tw@ em
\end{verbatim}
6.7 Distinguishing between monospaced and proportional fonts

To set ragged text with proportional fonts and monospaced fonts correctly, we must distinguish between these two kinds of fonts everytime a font is loaded. Otherwise the settings for e.g. a proportional fonts would be in effect if you start \RaggedRight in \rmfamily and then switch to \ttfamily.

The goal is to have a rigid interword space in all fonts. TeX’s interword space is \fontdimen2 plus \fontdimen3 minus \fontdimen4. This can be overwritten by setting \spaceskip (space between words, if nonzero) and \xspaceskip (space at the end of sentences, if nonzero).

We do the setting with the help of everyset[8], which allows us to define code which is (hopefully) executed after every font change in a LaTeX document.

\if@raggedtwoe@spaceskip \if@raggedtwoe@spaceskip signals the use of commands defined by ragged2e to the command inserted into \selectfont. It is set to true by these commands and restored to false by TeX when the scope of them ends.

\newif\if@raggedtwoe@spaceskip

\@raggedtwoe@everyselectfont \@raggedtwoe@everyselectfont is our code inserted into \selectfont.

\newcommand{\@raggedtwoe@everyselectfont@active}{%\if@raggedtwoe@spaceskip

If no command defined by ragged2e is in use, we do nothing. But if it is, we look at \fontdimen3 to see if the current font is monospaced or not.

\ifdim\fontdimen\thr@@\font=\z@\relax

If it is, we set \spaceskip to 0pt so the interword space will be the one specified by the font designer – which is rigid anyway for monospaced fonts.

\spaceskip\z@\else

\footnote{It is executed after every \selectfont, so if you stay within NFSS and don’t declare your fonts with commands like \newfont and then switch to them, it will work.}
For proportional fonts we make the interword space rigid by setting `\spaceskip` to `\fontdimen2 \font`.

We have to reset the interword space if we are not active.

If our kernel is new enough we use the kernel hook directly instead of the `everysel` macro.

The hook is added globally but will be inactive when none of the `ragged2e` commands is used.

With the bugfix in version 3.2 we also take care of the indent which might be set when `ragged2e`'s newline definition or `\centercr` are triggered. This can be easily achieved using the ltpara hooks. This is not a final solution for this because on the long run one has to replace the paragraph break within `\centercr` to match the content structure for tagging.
The following definition of a \@gnewline used by the ragged commands was suggested by Markus Kohm:

\newcommand*{\@raggedtwoe@gnewline}[1]{% 
  \ifvmode
    \@nolnerr
  \else
    \unskip
    \ifmmode
      In formulas we adjusted the original code of \g@newline to a negative fill to match the alignment of text. Outside those we use \@centercr to remove the added parskip.
    \else
      \reserved@e {\reserved@f #1}\nobreak \hskip\z@ \break
    \fi
  \fi\@raggedtwoe@centercrNoindent \fi
\}

\Centering \Centering first lets \ = \@centercr, but only if \ has its original meaning, otherwise \Center would not work inside environments like \tabular etc., in which \ has a different meaning. It also sets \@gnewline to \@raggedtwoe@gnewline. Then, the \LaTeX and \TeX-parameters are set. \@rightskip is \LaTeX's version of \rightskip.

"Every environment, like the list environments, that set \rightskip to its 'normal' value set it to \@rightskip" [1]

Finally we signal the code inserted into \selectfont that we are active and call that code directly.

\DeclareRobustCommand{\Centering}{% 
  \if\raggedtwoe@localhook 
    \let\@raggedtwoe@everyselectfont\@raggedtwoe@everyselectfont@active%
  \fi
 \if\\\@raggedtwoe@savedcr 
    \let\\\@raggedtwoe@centercrNoindent
  \fi
 \let\@gnewline\@raggedtwoe@gnewline 
  \leftskip\CenteringLeftskip
  \rightskip\@rightskip
  \parfillskip\CenteringParfillskip
  \parindent\CenteringParindent
  \@raggedtwoe@spaceskiptrue
  \@raggedtwoe@everyselectfont
\RaggedLeft \RaggedLeft is like \Centering; it only uses other parameters.

\DeclareRobustCommand{\RaggedLeft}{% 
  \if\raggedtwoe@localhook 
  \let\@raggedtwoe@everyselectfont\@raggedtwoe@everyselectfont@active% 
  \fi 
  \ifx\\@raggedtwoe@savedcr 
  \let\\@raggedtwoe@centercrNoindent 
  \fi 
  \let\@gnewline\@raggedtwoe@gnewline 
  \leftskip\RaggedLeftLeftskip 
  \@rightskip\RaggedRightskip 
  \rightskip\@rightskip 
  \parfillskip\RaggedLeftParfillskip 
  \parindent\RaggedLeftParindent 
  \@raggedtwoe@spaceskiptrue 
  \@raggedtwoe@everyselectfont 
}\RaggedRight \RaggedRight is like \Centering; it only uses other parameters.

\DeclareRobustCommand{\RaggedRight}{% 
  \if\raggedtwoe@localhook 
  \let\@raggedtwoe@everyselectfont\@raggedtwoe@everyselectfont@active% 
  \fi 
  \ifx\\@raggedtwoe@savedcr 
  \let\\@raggedtwoe@centercrNoindent 
  \fi 
  \let\@gnewline\@raggedtwoe@gnewline 
  \leftskip\RaggedRightLeftskip 
  \@rightskip\RaggedRightskip 
  \rightskip\@rightskip 
  \parfillskip\RaggedRightParfillskip 
  \parindent\RaggedRightParindent 
  \@raggedtwoe@spaceskiptrue 
  \@raggedtwoe@everyselectfont 
}\justifying \justifying switches back to the defaults used by \LaTeX{} for typesetting justified text.

\DeclareRobustCommand{\justifying}{% 
  \if\raggedtwoe@localhook 
  \let\@raggedtwoe@everyselectfont\@raggedtwoe@everyselectfont@active% 
  \fi 
  \ifx\\@raggedtwoe@savedcr 
  \let\\@raggedtwoe@centercrNoindent 
  \fi 
  \let\\@gnewline\@raggedtwoe@gnewline 
  \leftskip\z@ 
  \@rightskip\z@ 
  \rightskip\@rightskip 
  \parfillskip\JustifyingParfillskip 
  \parindent\JustifyingParindent 
  \@raggedtwoe@spaceskipfalse 
  \@raggedtwoe@everyselectfont 
}\justifying
6.8 The environments

Center (env.) The environments Center, FlushLeft, and \FlushRight are implemented like their counterparts in \LaTeX: Start a trivlist and switch on the right command.

\begin{verbatim}
\newenvironment{Center}{% 
  \trivlist 
  \Centering\item\relax 
}{% 
  \endtrivlist 
}
\newenvironment{FlushLeft}{% 
  \trivlist 
  \RaggedRight\item\relax 
}{% 
  \endtrivlist 
}
\newenvironment{FlushRight}{% 
  \trivlist 
  \RaggedLeft\item\relax 
}{% 
  \endtrivlist 
}
\end{verbatim}

\texttt{justify (env.)} \texttt{justify} is similar to the other environments: Start a trivlist and use \texttt{\justifying}.

\begin{verbatim}
\newenvironment{justify}{% 
  \trivlist 
  \justifying\item\relax 
}{% 
  \endtrivlist 
}
\end{verbatim}

6.9 Overloading the \LaTeX-commands

If the option newcommands is used, we save the original \LaTeX-commands and environments for ragged text and overload them.

\begin{verbatim}
\if@raggedtwoe@originalcommands 
  \else 
  \let\LaTeXcentering\centering 
  \let\LaTeXraggedleft\raggedleft 
  \let\LaTeXraggedright\raggedright 
  \let\centering\Centering 
  \let\raggedleft\RaggedLeft 
  \let\raggedright\RaggedRight 
  \let\LaTeXflushleft\flushleft 
  \let\endLaTeXflushleft\endflushleft 
  \let\LaTeXflushright\flushright 
\end{verbatim}
7 Acknowledgements

A first version of this package for \LaTeX2.09 was named raggedri[9]. Laurent Siebenmann (lcs@topo.math.u-psud.fr) with his style ragged.sty[10] provided the final impulse for this new implementation. The code for \texttt{\textbackslash justifying}, \texttt{justify} and the overloading of \texttt{\textbackslash arrayparboxrestore} is incorporated from the raggedr[3] package by James Kilfiger (mapdn@csv.warwick.ac.uk). Without the constant nagging of Rainer Sieger (rsieger@awi-bremerhaven.de) this package might not be.

Markus Kohm (markus.kohm@gmx.de) provided the code for \texttt{\textbackslash gnewline}. Frank Mittelbach (frank.mittelbach@latex-project.org) provided the impetus for version 2.00. Rolf Niepraschk (Rolf.Niepraschk@gmx.de) and Hubert Gäßlein found many bugs and provided fixes for them and code for new features. Jordan Firth (jafirth@ncsu.edu) provided the final push for version 2.2. Maurice Hansen reported and helped testing the fix for the bug adding an additional parskip fixed in version 3.2.

References


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Change History

v1.00
  General: New from \texttt{raggedright} V 1.21  
  
  v1.01
  General: Documentation improved  
  
  v1.02
  General: Moved to LPPL  
  
  v2.00
  General: Allow all-lowercase versions of options  
    Allow all-lowercase versions of options and removed documentation of mixed-case versions.  
    Incorporated \texttt{raggedr}  
    Load the \texttt{footmisc} package  
    New command \texttt{justifying}  
    New environment \texttt{justify}  
    New option \texttt{document}  
    New option \texttt{footnotes}  
    New option \texttt{raggedrightboxes}  
    Pass all other options to \texttt{footmisc} if it’s loaded  
    Removed \texttt{RaggedSpaceskip} and \texttt{RaggedXSpaceskip}  
    Removed spaces and unneeded braces from \texttt{setlength}; replaced plus with \texttt{\@plus}  
    \texttt{@raggedtwoe@abdhook}: New macro  
    \texttt{@raggedtwoe@document@opt}: New macro  
    \texttt{@raggedtwoe@everyselectfont}: Completely redesigned and removed \texttt{RaggedSpaceskip} and \texttt{RaggedXSpaceskip}  
    \texttt{@raggedtwoe@gnewline}: New macro  
    \texttt{@raggedtwoe@raggedrightboxes@opt}: New macro  
    \texttt{@raggedtwoe@saved@gnewline}: New macro  
    \texttt{@centering}: Call \texttt{@raggedtwoe@everyselectfont} and switch \texttt{\@gnewline}  
    \texttt{@if@raggedtwoe@footmisc}: New macro  
    \texttt{@justifying}: New environment  
    \texttt{@justifying}: New macro  
    \texttt{@justifyingParfillskip}: New macro  
    \texttt{@justifyingParindent}: New macro  
    \texttt{@RaggedLeft}: Call \texttt{@raggedtwoe@everyselectfont} and switch \texttt{\@gnewline}  
    \texttt{@RaggedRight}: Call \texttt{@raggedtwoe@everyselectfont} and switch \texttt{\@gnewline}  
  
  v2.01
  \texttt{@raggedtwoe@everyselectfont}: Removed the setting of \texttt{\@xspaceskip}  
  
  v2.02
  General: Bugfix: \texttt{@if@raggedtwoe@footmistrue}  
    \texttt{@raggedtwoe@footmistrue}  
    Removed \texttt{setlength}  
    Use \texttt{\@flushglue}  
    \texttt{@raggedtwoe@gnewline}: Bugfix: \texttt{\@nolerr} \texttt{\@nolnerr}  
    \texttt{FlushRight}: Use \texttt{trivlist} \texttt{\@endtrivlist} instead of \texttt{\begin{trivlist} ... \@endtrivlist} \texttt{\@endtrivlist}  
    Use \texttt{\@flushglue}  
    \texttt{@raggedtwoe@gnewline}: Bugfix: \texttt{\@nolerr} \texttt{\@nolnerr}  
    \texttt{FlushRight}: Use \texttt{trivlist} \texttt{\@endtrivlist} instead of \texttt{\begin{trivlist} ... \@endtrivlist} \texttt{\@endtrivlist}  
  
  v2.02
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