The ragged2e-package*

Martin Schröder

 $\verb|https://gitlab.com/TeXhackse/ragged2e|^\dagger|$

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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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 $^{^{\}dagger}$ maintained by Marei Peischl

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1 The problem

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

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

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

\RaggedRight:
"The IATEX 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 e.g. \raggedright as follows:

 $1 \langle *latex \rangle$

- 3 \raggedright{%
- 4 \let\\\@centercr
- 5 \@rightskip\@flushglue
- 6 \rightskip\@rightskip
- 7 \finalhyphendemerits=\z@
- 8 \leftskip\z@skip
- 9 \parindent\z0}

Initially, \Oflushglue is defined as

10 \Offushglue = Opt plus 1fil

11 (/latex)

Thus the \rightskip is set to Opt plus 1fil. Knuth, however warns [4, p. 101]:

"For example, a person can set \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 infinte 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 \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

plain TEX defines an special version of \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\2\@ plus2em

16 \xspaceskip.5em\relax\}

16 \xspaceskip.5em\relax\}

17 \def\traggedright for typewriter fonts

17 \def\traggedright{\%}

18 \tt

19 \rightskip\2\@ plus2em\relax\}

3 Our solution

\spaceskip.3333em

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.

20 (/plain)

3.1 The macros

\Centering \RaggedLeft \RaggedRight \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.*

 $\verb|\justifying|$

\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 IATEX, but implement the plain solution and can be easily configured using the following parameters:

3.2 The parameters

Command	Uses
\Centering	\CenteringLeftskip, \CenteringRightskip,
	\CenteringParfillskip, \CenteringParindent
\RaggedLeft	\RaggedLeftLeftskip, \RaggedLeftRightskip,
	\RaggedLeftParfillskip, \RaggedLeftParindent
\RaggedRight	\RaggedRightLeftskip, \RaggedRightRightskip,
	\RaggedRightParfillskip, \RaggedRightParindent
\justifying	$\verb \JustifyingParfillskip , \verb \JustifyingParindent \\$

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

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

New feature 2003/01/04

^{*}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.

sets \RaggedRightRightskip to Opt plus 1em.

\CenteringLeftskip \RaggedLeftLeftskip \RaggedRightLeftskip These are the \leftskips inserted by \Centering, \RaggedLeft, and \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 Opt plus 1fil makes hyphenation almost impossible.

\CenteringRightskip \RaggedLeftRightskip \RaggedRightRightskip 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 Opt plus 1fil makes hyphenation almost impossible.

\CenteringParfillskip \RaggedLeftParfillskip \RaggedRightParfillskip \JustifyingParfillskip 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 Opt plus 1fil; the parameters are provided for testing combinations of \{left|right}skip and \parfillskip.

\CenteringParindent \RaggedLeftParindent \RaggedRightParindent \JustifyingParindent These are the \parindents used by \Centering, \RaggedLeft, \RaggedRight, and \justifying.

"\parindent (width of \indent)" [4, p. 274]

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

The parameters have the following initial setting:

4 OPTIONS 5

Parameter	I⁴TEX setting	ragged2e $\operatorname{setting}^\dagger$
\CenteringLeftskip	Opt plus 1fil	Opt plus 2em
\RaggedLeftLeftskip	Opt plus 1fil	Opt plus 2em
\RaggedRightLeftskip	Opt plus Opt	Opt plus Opt
	minus Opt	minus Opt
$\$ CenteringRightskip	Opt plus 1fil	Opt plus 2em
\RaggedLeftRightskip	Opt plus Opt	Opt plus Opt
	minus Opt	minus Opt
\RaggedRightRightskip	Opt plus 1fil	Opt plus 2em
\CenteringParfillskip	Opt plus Opt	Opt plus Opt
	minus Opt	minus Opt
\RaggedLeftParfillskip	Opt plus Opt	Opt plus Opt
	minus Opt	minus Opt
\RaggedRightParfillskip	Opt plus 1fil	Opt plus 1fil
\CenteringParindent	0pt	0pt
\RaggedLeftParindent	0pt	0pt
\RaggedRightParindent	0pt	0pt
\J ustifyingParfillskip		Opt plus 1fil
\JustifyingParindent		\parindent

3.3 The environments

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

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

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

justify justify is like the other environments but uses \justifying.

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

 $\begin{FlushLeft} $$ \langle text, which is set ragged-right \rangle $$ \end{FlushLeft}$

4 Options

This package has the following options:

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

It is the default.

New feature 2003/01/04

 $^{^\}dagger \mbox{For proportional}$ and monospaced fonts.

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

originalparameters. The parameters used by the commands implemented by ragged2e are initialized with the default settings used by LATEX.

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

raggedrightboxes All \parboxes, minipages, \marginpars and p-columns of tabulars and arrays are automatically set using \RaggedRight.

footnotes This options sets all footnotes ragged-right by loading the footmisc [2] package with the ragged option.

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

All other options are passed to the footmisc package if the 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 lthooks [6]. Formats newer than 2021/01/05 do no longer depend on everysel.

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

6 The implementation

21 (*package)

6.1 Initial Code

 $\verb|\if@raggedtwoe@originalcommands||$

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

22 \newif\if@raggedtwoe@originalcommands

New feature 2003/01/18

New feature 2003/01/18

New feature 2003/01/18

\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

Declaration of options 6.2

original commands option

The original commands 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.

- 26 \DeclareOption{originalcommands}{\@raggedtwoe@originalcommandstrue}
- 27 \DeclareOption{NewCommands}{\@raggedtwoe@originalcommandsfalse}
- $28 \label{lem:commands} $$ \end{commands} {\end{commandsfalse}} $$$

6.2.2original parameters option

The original parameters 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}{\OraggedtwoeOoriginalparameterstrue}
- 30 \DeclareOption{originalparameters}{\OraggedtwoeOoriginalparameterstrue}
- 32 \DeclareOption{newparameters}{\OraggedtwoeOoriginalparametersfalse}

6.2.3raggedrightboxes option

The option raggedrightboxes sets all \parboxes, minipages, \marginpars and p-columns of tabulars and arrays using \RaggedRight. This is done by redefining \@arrayparboxrestore.

\@raggedtwoe@raggedrightboxes@opt

\@raggedtwoe@raggedrightboxes@opt is the code executed via \DeclareOption.

33 \newcommand*{\@raggedtwoe@raggedrightboxes@opt}{

First we check if \@arrayparboxrestore is unchanged.

- \CheckCommand*{\@arrayparboxrestore}{%
- 35 \let\if@nobreak\iffalse
- \let\if@noskipsec\iffalse 36
- \let\par\@@par 37
- \let\-\@dischyph 38
- \let\'\@acci\let\'\@accii\let\=\@acciii 39

```
\parindent\z@ \parskip\z@skip
40
      \everypar{}%
41
      \linewidth\hsize
42
      \@totalleftmargin\z@
43
      \leftskip\z@skip \rightskip\z@skip \@rightskip\z@skip
44
      \parfillskip\@flushglue
45
      \lineskip\normallineskip
46
      \lineskiplimit\normallineskiplimit
47
48
      \baselineskip\normalbaselineskip
49
      \sloppy}%
```

Then we redefine it by removing the setting of \leftskip, \rightskip, \Qrightskip and \parfillskip and instead calling \RaggedRight.

```
\renewcommand{\@arrayparboxrestore}{%
50
51
      \let\if@nobreak\iffalse
       \let\if@noskipsec\iffalse
52
      \let\par\@@par
53
      \let\-\@dischyph
54
      \let\',\@acci\let\',\@accii\let\=\@acciii
55
56
      \parskip\z@skip
      \everypar{}%
57
      \linewidth\hsize
58
      \@totalleftmargin\z@
59
      \RaggedRight
60
61
      \lineskip\normallineskip
      \baselineskip\normalbaselineskip
62
      \lineskiplimit\normallineskiplimit
63
      \sloppy}%
64
```

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

```
65 \let\@raggedtwoe@raggedrightboxes@opt\relax
66 }
```

Finally the declaration of the option.

67 \DeclareOption{raggedrightboxes}{\OraggedtwoeOraggedrightboxesOopt}

6.2.4 footnotes option

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

```
68 \DeclareOption{footnotes}{%
69      \@raggedtwoe@footmisctrue
70      \PassOptionsToPackage{ragged}{footmisc}%
71  }
```

6.2.5 document option

The option document sets the complete document ragged-right by executing \RaggedRight via \AtBeginDocument and also executing the raggedrightboxes option.

\@raggedtwoe@abdhook

\@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.

```
72 \newcommand{\@raggedtwoe@abdhook}{%
73 \PackageInfo{ragged2e}{ABD: executing \string\RaggedRight}%
74 \RaggedRight
75 \@ifundefined{@tocrmarg}{}{\edef\@tocrmarg{\@tocrmarg plus 2em}}%
76 \let\@raggedtwoe@abdhook\relax
77 }
```

\@raggedtwoe@document@opt

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

```
78 \newcommand{\@raggedtwoe@document@opt}{%
79 \AtBeginDocument{\@raggedtwoe@abdhook}%
80 \@raggedtwoe@raggedrightboxes@opt
81 \@raggedtwoe@footmisctrue
82 \let\@raggedtwoe@document@opt\relax
83 }
```

Finally the declaration of the option.

84 \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.

```
85 \DeclareOption*{%
86  \if@raggedtwoe@footmisc
87  \PassOptionsToPackage{\CurrentOption}{footmisc}%
88  \else
89  \OptionNotUsed
90  \fi
91  }
```

6.3 Executing options

The default options are original commands and newparameters.

```
92 \ExecuteOptions{originalcommands,newparameters} 93 \ProcessOptions\relax
```

6.4 Loading packages

We need the everysel package for older kernels.

```
94 \providecommand\IfFormatAtLeastTF{\@ifl@t@r\fmtversion} 95 \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).

```
96 \if@raggedtwoe@footmisc
97 \RequirePackage{footmisc}[2002/08/28]
98 \fi
```

6.5 Allocations

\CenteringLeftskip
\RaggedLeftLeftskip
\RaggedRightLeftskip
\CenteringRightskip
\RaggedLeftRightskip
\RaggedRightRightskip
\CenteringParfillskip
\RaggedLeftParfillskip
\RaggedRightParfillskip
\CenteringParfillskip
\CenteringParfillskip
\CenteringParindent
\RaggedLeftParindent
\RaggedLeftParindent
\LaggedRightParindent
\LaggedRightParindent

First we allocate the parameters

```
99 \newlength{\CenteringLeftskip}
100 \newlength{\RaggedLeftLeftskip}
101 \newlength{\RaggedRightLeftskip}
102 \newlength{\CenteringRightskip}
103 \newlength{\RaggedLeftRightskip}
104 \newlength{\RaggedLeftRightskip}
105 \newlength{\CenteringParfillskip}
106 \newlength{\RaggedLeftParfillskip}
107 \newlength{\RaggedRightParfillskip}
108 \newlength{\JustifyingParfillskip}
109 \newlength{\CenteringParindent}
110 \newlength{\RaggedLeftParindent}
111 \newlength{\RaggedLeftParindent}
111 \newlength{\RaggedRightParindent}
112 \newlength{\JustifyingParindent}
```

6.6 Initializations

Depending on $\footnote{\footnote{LAT}_EX}$ uses for its own commands or with our new parameters.

```
113 \if@raggedtwoe@originalparameters
      \CenteringLeftskip\@flushglue
114
115
      \RaggedLeftLeftskip\@flushglue
116
      \RaggedRightLeftskip\z@skip
      \CenteringRightskip\@flushglue
117
      \RaggedLeftRightskip\z@skip
118
      \RaggedRightRightskip\@flushglue
119
      \CenteringParfillskip\z@skip
120
121
      \RaggedLeftParfillskip\z@skip
      \RaggedRightParfillskip\@flushglue
122
      \CenteringParindent\z@
123
124
      \RaggedLeftParindent\z@
125
      \RaggedRightParindent\z@
126 \else
      \CenteringLeftskip\z@\@plus\tw@ em
127
      128
129
      \RaggedRightLeftskip\z@skip
      \CenteringRightskip\z@\@plus\tw@ em
130
131
      \RaggedLeftRightskip\z@skip
132
      \RaggedRightRightskip\z@\@plus\tw@ em
```

```
133 \CenteringParfillskip\z@skip
134 \RaggedLeftParfillskip\z@skip
135 \RaggedRightParfillskip\@flushglue
136 \CenteringParindent\z@
137 \RaggedLeftParindent\z@
138 \RaggedRightParindent\z@
139 \fi
140 \JustifyingParfillskip\@flushglue
141 \JustifyingParindent\parindent
```

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 everysel [8], which allows us to define code which is (hopefully) executed after every fontchange 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.

142 \newif\if@raggedtwoe@spaceskip

\@raggedtwoe@everyselectfont

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

```
143 \newcommand{\@raggedtwoe@everyselectfont}{%
```

144 \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.

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

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

```
146 \spaceskip\z@
147 \else
```

[‡]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.

```
148 \spaceskip\fontdimen\tw@\font 149 \fi
```

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

```
150  \else
151  \spaceskip\z@
152  \fi
153 }
```

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

```
154 \IfformatAtLeastTF{2021/01/05}
155 {\AddToHook{selectfont}{\@raggedtwoe@everyselectfont}}
156 {\EverySelectfont{\@raggedtwoe@everyselectfont}}
```

6.8 The commands

\@raggedtwoe@savedcr

We save the definition of \\ in \@raggedtwoe@savedcr.

```
157 \let\@raggedtwoe@savedcr\\
```

\@raggedtwoe@saved@gnewline

We save the definition of \@gnewline in \@raggedtwoe@saved@gnewline.

158 \let\@raggedtwoe@saved@gnewline\@gnewline

\@raggedtwoe@gnewline

The following definition of a \@gnewline used by the ragged commands was suggested by Markus Kohm:

```
159 \newcommand*{\@raggedtwoe@gnewline}[1]{%
160 \ifvmode
161 \@nolnerr
162 \else
163 \unskip
164 \ifmmode
```

In formulas we use the original code of \@gnewline.

\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.

```
171 \DeclareRobustCommand{\Centering}{%
                     \ifx\\\@raggedtwoe@savedcr
               172
                        \let\\\@centercr
               173
               174
               175
                     \let\@gnewline\@raggedtwoe@gnewline
               176
                     \leftskip\CenteringLeftskip
               177
                     \@rightskip\CenteringRightskip
               178
                     \rightskip\@rightskip
                     \parfillskip\CenteringParfillskip
               179
               180
                     \parindent\CenteringParindent
                     \@raggedtwoe@spaceskiptrue
               181
                     \@raggedtwoe@everyselectfont
               182
               183
              \RaggedLeft is like \Centering; it only uses other parameters.
 \RaggedLeft
               184 \DeclareRobustCommand{\RaggedLeft}{%
                     \ifx\\\@raggedtwoe@savedcr
               185
                        \let\\\@centercr
               186
                     \fi
               187
                     \let\@gnewline\@raggedtwoe@gnewline
               188
                     \leftskip\RaggedLeftLeftskip
               189
                     \@rightskip\RaggedLeftRightskip
               190
                     \rightskip\@rightskip
               191
                     \parfillskip\RaggedLeftParfillskip
               192
               193
                     \parindent\RaggedLeftParindent
               194
                     \@raggedtwoe@spaceskiptrue
               195
                     \@raggedtwoe@everyselectfont
               196
                     }
\RaggedRight
              \RaggedRight is like \Centering; it only uses other parameters.
               197 \DeclareRobustCommand{\RaggedRight}{%
               198
                     \ifx\\\@raggedtwoe@savedcr
               199
                        \let\\\@centercr
               200
                     \fi
                     \let\@gnewline\@raggedtwoe@gnewline
               201
                     \leftskip\RaggedRightLeftskip
               202
                     \@rightskip\RaggedRightRightskip
               203
                     \rightskip\@rightskip
               204
                     \parfillskip\RaggedRightParfillskip
               205
                     \parindent\RaggedRightParindent
               206
               207
                     \@raggedtwoe@spaceskiptrue
               208
                     \@raggedtwoe@everyselectfont
               209
```

\justifying \justifying switches back to the defaults used by IATEX for typesetting justyfied text.

```
210 \DeclareRobustCommand{\justifying}{%
      \let\\\@raggedtwoe@savedcr
211
      \let\@gnewline\@raggedtwoe@saved@gnewline
212
      \leftskip\z@
213
214
      \@rightskip\z@
      \rightskip\@rightskip
215
      \parfillskip\JustifyingParfillskip
216
      \parindent\JustifyingParindent
217
218
      \@raggedtwoe@spaceskipfalse
219
      \@raggedtwoe@everyselectfont
220
```

6.9 The environments

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

```
221 \newenvironment{Center}{%
                \trivlist
                \Centering\item\relax
         223
         224
         225
                \endtrivlist
         226
                }
         227 \newenvironment{FlushLeft}{\%
         228
                \trivlist
                \RaggedRight\item\relax
         229
                }{%
         230
                \endtrivlist
         231
         232
         233 \newenvironment{FlushRight}{%
                \trivlist
         235
                \RaggedLeft\item\relax
         236
                }{%
                \endtrivlist
         237
                }
         238
justify justify is similar to the other environments: Start a trivlist and use
         \justifying.
         239 \newenvironment{justify}{%
         240
                \trivlist
         241
                \justifying\item\relax
         242
                }{%
         243
                \endtrivlist
         244
```

6.10 Overloading the LATEX-commands

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

245 \if@raggedtwoe@originalcommands

```
246 \ensuremath{\setminus} else
      \let\LaTeXcentering\centering
247
      \let\LaTeXraggedleft\raggedleft
248
249
      \let\LaTeXraggedright\raggedright
      \let\centering\Centering
250
251
      \let\raggedleft\RaggedLeft
252
      \let\raggedright\RaggedRight
      \let\LaTeXcenter\center
253
254
      \let\endLaTeXcenter\endcenter
255
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264
      \let\endflushright\endFlushRight
265 \fi
266 (/package)
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7 Acknowledgements

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Change History

1.00
General: New from raggedright V 1.21
1.01
General: Documentation improved
1.02
General: Moved to LPPL
2.00
\@raggedtwoe@abdhook: New macro
\@raggedtwoe@document@opt: New macro
\@raggedtwoe@everyselectfont: Completely redesigned and removed
\RaggedSpaceskip and \RaggedXSpaceskip 1
\@raggedtwoe@gnewline: New macro 12
\@raggedtwoe@raggedrightboxes@opt: New macro
\@raggedtwoe@saved@gnewline: New macro 12
\Centering: Call \@raggedtwoe@everyselectfont and switch
\@gnewline 13
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\@gnewline 13
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\@gnewline 13
\if@raggedtwoe@footmisc: New macro
\justifying: New macro 13
General: Allow all-lowercase versions of options
Allow all-lowercase versions of options and removed documentation of
mixed-case versions.
Incorporated raggedr
Load the footmisc package
New command \justifying
New environment justify
New option document
New option footnotes
New option raggedrightboxes
Pass all other options to footmisc if it's loaded
Removed \RaggedSpaceskip and \RaggedXSpaceskip
Removed spaces and unneeded braces from \setlength; replaced plus
with \@plus
justify: New environment
2.01
\@raggedtwoe@everyselectfont: Removed the setting of \xspaceskip . 1
2.02
$\verb \colorer \land \verb \colorer \rightarrow $
General: Bugfix: \ightharpoonup General: Bugfix: \ightharpoonup General: Bugfix: \ightharpoonup
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Removed \setlength
Use \@flushglue
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