

proofread — Commands for inserting annotations*

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Abstract

The `proofread` package defines a few L^AT_EX commands that are useful when you proofread a L^AT_EX document. These allow you to easily highlight text and add comments in the margin.¹

The package is based on code for a text highlighting command that was published by Antal S-Z in [StackExchange](#). A file `proofread.vim` is provided, which contains vim escape sequences for inserting and removing these L^AT_EX commands in the source.

1 Macros inserting corrections and remarks

The commands described below display a highlighted phrase in your compiled document and place a comment in the margin, prefixed with a counter, which is indicated with n in the following. This counter is useful in the communication with the author of the document. **Warning:** these commands can not be nested and can not be used in footnotes or marginnotes. Vim escape sequence `cwhave` been defined in `proofread.vim`, see the next section for more information.

`\del` `\del{phrase}` displays `phrase` and places n :Delete in the margin.

`\yel` `\yel[comment]{phrase}` displays `phrase` and places n :comment in the margin. The comment text may be empty (in which case the square brackets may be removed), if you just want to highlight some text. Even if the comment is empty, the n : will be placed in the margin.

`\add` `\add{phrase}` displays `phrase` and places n :Add in the margin.

`\rep` `\rep{phrase}{replacement}` displays `replacement` and places n :was:phrase in the margin.

`\com` `\com{comment}` is used by `\del`, `\yel`, `\add`, and `\rep` to place n :comment in the margin. You can use it to place comment in the margin without text highlighting.

`\hilite` `\hilite[options]{phrase}` is the command on which the above commands are based. It was published by Antal S-Z in [StackExchange](#). It highlights the phrase with the default colour, yellow, using the default fill opacity, 0.25; but using the options, you can change this. For example, `this phrase` was highlighted with 50% opacity blue, with a 3pt width line in yellow around it, with the command:

```
\hilite[fill=blue,draw=yellow,opacity=.5,line width=3pt]
```

*This file describes version v1.02, last revised 2016/07/24.

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¹Warning: you can not, in the current version, apply these commands in footnotes!

Both the fill color and the draw color get 50% opacity, but you can set each individually with the `fill opacity` and `draw opacity` options. See the documentation of the `tikz` package for more options.

2 Inserting and removing these commands in vim

This package comes with two extra files:

`proofread.vim` This file contains vim escape sequences which insert the commands described above, or remove them. Place the file in `~/.vim/syntax` and, inside vim, activate it with `set syntax=proofread`.

`proofread` This file contains a little Ruby script needed by the escape sequences that remove macros. Make it executable (`chmod 755 proofread`) and place it somewhere in your PATH.

The following escape sequences (hit escape, followed by one lower case character) have been defined in `proofread.vim`:

`<Esc>a` inserts `\add{}` after the current position; after typing this escape sequence, you will be in insert mode between the braces, where you can type the text to add.

`<Esc>c` inserts `\com{}` after the current position; after typing this escape sequence, you will be in insert mode between the braces.

`<Esc>d` surrounds the current selection (or, if there is no selection, the character under the cursor) with `\del{...}`; after typing this escape sequence, you will be in normal mode, behind the closing brace.

`<Esc>i` inserts `\add{}` before the current position; after typing this escape sequence, you will be in insert mode between the braces, where you can type the text to add.

`<Esc>n` moves the cursor to the next `proofread`-command, allowing you to undo or honor it.

`<Esc>r` surrounds the current selection (or, if there is no selection, the character under the cursor) with `\rep{...}`; after typing this escape sequence, you will be in insert mode between the last braces, where you can type the replacement text.

`<Esc>u` finds the last `proofread`-command at or before the cursor and undoes it. For example, `\rep{x}{y}` will be replaced with `x`.

`<Esc>h` finds the last `proofread`-command at or before the cursor and honors it. For example, `\rep{x}{y}` will be replaced with `y`.

`<Esc>y` surrounds the current selection (or, if there is no selection, the character under the cursor) with `\yel[]{...}`; after typing this escape sequence, you will be in insert mode between the square brackets, where you can type the comment to be placed in the margin.

3 Package options

The package recognizes four options:

`uncorrected` hides all corrections, and thus shows the document as it was before corrections were made.

corrected shows the document with all corrections applied; comments are hidden.

onehalfspacing prints the document (but not the marginnotes and footnotes) with one and a half times the normal line spacing.

doublespacing prints the document (but not the marginnotes and footnotes) with double line spacing.

4 Implementation

```
1 \langle *package\rangle
```

The following code for a text highlighting command (here renamed to `\hilite` was published by Antal S-Z in [StackExchange](#).

```
2 \RequirePackage{soul}
3 \RequirePackage{tikz}
4 \RequirePackage{setspace}
5 \RequirePackage{ragged2e}
6 \RequirePackage{silence}\WarningFilter{latex}{Marginpar on page}
```

The memoir class has its own routines for setting the linespread; using those, we need different vertical spacings if we want marginpar to appear at the same vertical position as where they are called. Settings here are experimental; hope they are right for all point sizes and other variables.

```
7 \newif\ifPR@memoir
8 \ifx\undefined\DoubleSpacing\PR@memoirfalse\else\PR@memoirtrue\fi
9 \newdimen\PR@vcorrect
10 \ifPR@memoir
11   \PR@vcorrect-2.23ex
12   \let\onehalfspacing\OnehalfSpacing
13   \let\doublespacing\DoubleSpacing
14   \marginparmargin{outer}
15   \marginparpush1pt
16 \else
17   \PR@vcorrect-3.08ex
18   \marginparpush7pt
19 \fi
```

4.1 Package options

```
20 \newif\ifPR@corrected\PR@correctedfalse
21 \newif\ifPR@uncorrected\PR@uncorrectedfalse
22 \DeclareOption{onehalfspacing}{\onehalfspacing}
23 \DeclareOption{doublespacing}{\doublespacing}
24 \DeclareOption{corrected}{\PR@correctedtrue}
25 \DeclareOption{uncorrected}{\PR@uncorrectedtrue}
26 \ProcessOptions
```

4.2 Stolen stuff

```
27 \usetikzlibrary{calc}
28 \usetikzlibrary{decorations.pathmorphing}
29 %
30 \newcommand{\PR@defhiliter}[3][[]]{%
31   \tikzset{every hiliter/.style={color=#2, fill opacity=#3, #1}}%
32 }
33 %
34 \PR@defhiliter{yellow}{.25}
35 %
36 \newcommand{\PR@hilite@Dohilite}{
```

```

37 \fill [ decoration = {random steps, amplitude=1pt, segment length=15pt}
38     , outer sep = -15pt, inner sep = 0pt, decorate
39     , every hiliter, this hiliter ]
40     ($(begin hilite)+(0,8pt)$) rectangle ($(end hilite)+(0,-3pt)$) ;
41 }
42 %
43 \newcommand{\PR@hilite@Beginhilite}{
44 \coordinate (begin hilite) at (0,0) ;
45 }
46 %
47 \newcommand{\PR@hilite@Endhilite}{
48 \coordinate (end hilite) at (0,0) ;
49 }
50 %
51 \newdimen\PR@hilite@previous
52 \newdimen\PR@hilite@current

```

\hilite

```

53 \DeclareRobustCommand*\hilite[1][1]{%
54 \tikzset{this hiliter/.style={#1}}%
55 \SOUL@setup
56 %
57 \def\SOUL@preamble{%
58 \begin{tikzpicture}[overlay, remember picture]
59 \PR@hilite@Beginhilite
60 \PR@hilite@Endhilite
61 \end{tikzpicture}%
62 }%
63 %
64 \def\SOUL@postamble{%
65 \begin{tikzpicture}[overlay, remember picture]
66 \PR@hilite@Endhilite
67 \PR@hilite@Dohilite
68 \end{tikzpicture}%
69 }%
70 %
71 \def\SOUL@everyhyphen{%
72 \discretionary{%
73 \SOUL@setkern\SOUL@hyphkern
74 \SOUL@sethyphenchar
75 \tikz[overlay, remember picture] \PR@hilite@Endhilite ;%
76 }{%
77 }{%
78 \SOUL@setkern\SOUL@charkern
79 }%
80 }%
81 %
82 \def\SOUL@everyexhyphen##1{%
83 \SOUL@setkern\SOUL@hyphkern
84 \hbox{##1}%
85 \discretionary{%
86 \tikz[overlay, remember picture] \PR@hilite@Endhilite ;%
87 }{%
88 }{%
89 \SOUL@setkern\SOUL@charkern
90 }%
91 }%
92 %
93 \def\SOUL@everysyllable{%
94 \begin{tikzpicture}[overlay, remember picture]
95 \path let \p0 = (begin hilite), \p1 = (0,0) in \pgfextra
96 \global\PR@hilite@previous=\y0

```

```

97     \global\PR@hilite@current =\y1
98     \endpgfextra (0,0) ;
99     \ifdim\PR@hilite@current < \PR@hilite@previous
100     \PR@hilite@Dohilite
101     \PR@hilite@Beginhilite
102     \fi
103     \end{tikzpicture}%
104     \the\SOUL@syllable
105     \tikz[overlay, remember picture] \PR@hilite@Endhilite ;%
106 }%
107 \SOUL@
108 }

```

4.3 Macros inserting corrections and remarks

We need a save box and a counter for prefixing the margin paragraphs:

```

109 \newbox\PR@soulbox
110 \newcount\PR@markerno\PR@markerno=1

```

`\com` Make a margin paragraph, in footnote fontsize, prefixed with the counter plus a colon; start with an `\mbox` to ensure that a marginpar at the start of a paragraph is kept with the line.

```

111 \newcommand{\com}[1]{%
112   \mbox{}%
113   \marginpar{%
114     \footnotesize\RaggedRight%
115     \ifPR@memoir
116       \vskip\PR@vcorrect%
117       \begin{SingleSpace*}%
118         \the\PR@markerno:#1%
119       \end{SingleSpace*}%
120       \vskip-\PR@vcorrect%
121     \else
122       \singlespacing%
123       \vskip\PR@vcorrect%
124       \the\PR@markerno:#1%
125     \fi
126   }%
127   \global\advance\PR@markerno1%
128 }

```

`\del`

```

129 \newcommand{\del}[1]{%
130   \com{delete}%
131   \sbox\PR@soulbox{\st{#1}}%
132   \hilite[red]{\usebox\PR@soulbox}%
133   \bgroup\egroup%
134 }

```

`\yel`

```

135 \newcommand{\yel}[2][\mbox{]}{%
136   \com{#1}%
137   \hilite[yellow]{#2}%
138   \bgroup\egroup%
139 }

```

`\add`

```
140 \newcommand{\add}[1]{%
141   \com{add}%
142   \hilite[green]{#1}%
143   \bgroup\egroup%
144 }
```

`\rep`

```
145 \newcommand{\rep}[2]{%
146   \com{was:#1}%
147   \hilite[blue,opacity=.15]{#2}%
148   \bgroup\egroup%
149 }
150 \ifPR@uncorrected
151   \ifPR@corrected\PackageError{proofread}{You may not use both the corrected and uncorrected
152     \def\com#1{} \def\add#1{} \def\del#1{#1} \def\rep#1#2{#1} % show uncorr version
153     \renewcommand{\yel}[2] []{#2}\renewcommand{\hilite}[2] []{#2}
154   \else
155     \ifPR@corrected
156       \def\com#1{} \def\add#1{#1} \def\del#1{} \def\rep#1#2{#2} % show corrected version
157       \renewcommand{\yel}[2] []{#2}\renewcommand{\hilite}[2] []{#2}
158     \fi
159   \fi
160 \endinput
161 </package>
```

5 Change History

v1.00		uncorrected, onehalfspacing,
General: First public release	1	doublespacing. Added vim escape
v1.01		sequences for removing annotations
General: Running counter was		(either undoing then or making
sometimes not advanced	1	them permanent.)
v1.02		
General: Added options: corrected and		

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