

proofread — Commands for inserting annotations*

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Abstract

The `proofread` package defines a few \LaTeX commands that are useful when you proofread a latex document. These allow you to easily highlight text and add comments in the margin. Vim escape sequences are provided for inserting these \LaTeX commands in the source. The package is based on code for a text highlighting command that was published by Antal S-Z in [StackExchange](#).

1 Usage

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.

`\del` `\del{phrase}` displays `phrase` and places n :Delete in the margin. In the vim editor, you can generate this code by selecting the phrase and typing `<escape>d` if you add the following line to your `.vimrc` file:¹

```
map <Esc>d s\del{<Esc>hp
```

After typing this escape sequence, you will be in normal mode, behind the closing brace.

`\yel` `\yel[comment]{phrase}` displays `phrase` and places n :comment in the margin. In the vim editor, you can generate this code by selecting the phrase and typing `<escape>y` if you add the following line to your `.vimrc` file:

```
map <Esc>y s\yel [] {<Esc>PF [li
```

After typing this escape sequence, you will be in insert mode between the square bracket pair, ready to insert the *comment*.

`\add` `\add{phrase}` displays `phrase` and places n :Add in the margin. In the vim editor, you can generate this code by typing `<escape>a` if you add the following line to your `.vimrc` file:

```
map <Esc>a a\add{<Esc>i
```

After typing this escape sequence, you will be in insert mode between the braces pair, ready to type what should be added.

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

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¹If you made sequences or commands for your own editor, please inform the author; he will include those in this document.

In the vim editor, you can generate this code by selecting the phrase and typing `<escape>r` if you add the following line to your `.vimrc` file:

```
map <Esc>r s\rep{}{}<Esc>2F{p11a
```

After typing this escape sequence, you will be in normal mode between the second pair of braces, ready to edit the new content.

`\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. In the vim editor, you can insert the command by typing `<escape>c` if you add the following line to your `.vimrc` file:

```
map <Esc>c a\com{}<Esc>i
```

After typing this escape sequence, you will be in insert mode between the braces pair, ready to type your comment.

`\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 blue, with a 3pt width line in yellow around it, with the command:

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

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 Implementation

```
1 (*package)
```

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{etoolbox}
5 \usetikzlibrary{calc}
6 \usetikzlibrary{decorations.pathmorphing}
7
8 \newcommand{\PR@defhiliter}[3][[]]{%
9   \tikzset{every hiliter/.style={color=#2, fill opacity=#3, #1}}%
10 }
11
12 \PR@defhiliter{yellow}{.25}
13
14 \newcommand{\PR@hilite@Dohilite}{
15   \fill [ decoration = {random steps, amplitude=1pt, segment length=15pt}
16     , outer sep = -15pt, inner sep = 0pt, decorate
17     , every hiliter, this hiliter ]
18     ($(begin hilite)+(0,8pt)$) rectangle ($(end hilite)+(0,-3pt)$) ;
19 }
20
21 \newcommand{\PR@hilite@Beginhilite}{
22   \coordinate (begin hilite) at (0,0) ;
23 }
24
25 \newcommand{\PR@hilite@Endhilite}{
26   \coordinate (end hilite) at (0,0) ;
```

```

27 }
28
29 \newdimen\PR@hilite@previous
30 \newdimen\PR@hilite@current

```

\hilite

```

31 \DeclareRobustCommand*\hilite[1] []{%
32   \tikzset{this hiliter/.style={#1}}%
33   \SOUL@setup
34   %
35   \def\SOUL@preamble{%
36     \begin{tikzpicture}[overlay, remember picture]
37       \PR@hilite@Beginhilite
38       \PR@hilite@Endhilite
39     \end{tikzpicture}%
40   }%
41   %
42   \def\SOUL@postamble{%
43     \begin{tikzpicture}[overlay, remember picture]
44       \PR@hilite@Endhilite
45       \PR@hilite@Dohilite
46     \end{tikzpicture}%
47   }%
48   %
49   \def\SOUL@everyhyphen{%
50     \discretionary{%
51       \SOUL@setkern\SOUL@hyphkern
52       \SOUL@sethyphenchar
53       \tikz[overlay, remember picture] \PR@hilite@Endhilite ;%
54     }{%
55     }{%
56       \SOUL@setkern\SOUL@charkern
57     }%
58   }%
59   %
60   \def\SOUL@everyexhyphen##1{%
61     \SOUL@setkern\SOUL@hyphkern
62     \hbox{##1}%
63     \discretionary{%
64       \tikz[overlay, remember picture] \PR@hilite@Endhilite ;%
65     }{%
66     }{%
67       \SOUL@setkern\SOUL@charkern
68     }%
69   }%
70   %
71   \def\SOUL@everysyllable{%
72     \begin{tikzpicture}[overlay, remember picture]
73       \path let \p0 = (begin hilite), \p1 = (0,0) in \pgfextra
74         \global\PR@hilite@previous=\y0
75         \global\PR@hilite@current =\y1
76       \endpgfextra (0,0) ;
77       \ifdim\PR@hilite@current < \PR@hilite@previous
78         \PR@hilite@Dohilite
79         \PR@hilite@Beginhilite
80       \fi
81     \end{tikzpicture}%
82     \the\SOUL@syllable
83     \tikz[overlay, remember picture] \PR@hilite@Endhilite ;%
84   }%
85   \SOUL@
86 }

```

Reduce minimum vertical space between margin paragraphs; if the memoir class is active, use the outer margin:

```
87 \AtEndPreamble{\marginparpush2pt}
88 \ifdef{\marginparmargin}{\marginparmargin{outer}}{}
```

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

```
89 \newbox\PR@soulbox
90 \newcount\PR@markerno\PR@markerno=1
```

`\com` Make a margin paragraph, in footnote fontsize, prefixed with the counter plus a colon:

```
91 \newcommand{\com}[1]{%
92   \marginpar{%
93     \footnotesize%
94     \the\PR@markerno:#1%
95   }%
96   \advance\PR@markerno1%
97 }
```

`\del`

```
98 \newcommand{\del}[1]{%
99   \com{delete}%
100   \sbox\PR@soulbox{\st{#1}}%
101   \hilite[red]{\usebox\PR@soulbox}%
102   \bgroup\egroup%
103 }
```

`\yel`

```
104 \newcommand{\yel}[2][\mbox{}]{%
105   \com{#1}%
106   \hilite[yellow]{#2}%
107   \bgroup\egroup%
108 }
```

`\add`

```
109 \newcommand{\add}[1]{%
110   \com{add}%
111   \hilite[green,draw=blue]{#1}%
112   \bgroup\egroup%
113 }
```

`\rep`

```
114 \newcommand{\rep}[2]{%
115   \com{was:#1}%
116   \hilite[blue]{#2}%
117   \bgroup\egroup%
118 }
119 \endinput
120 </package>
```

3 Change History

v1.00

General: First public release 1

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