### Package highlightlatex manual

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#### Abstract

This package provides colored syntax highlighting for LATEX source code, without aid from outside LATEX. This is in response to the general trend that people often fall back to verbatim for displaying code. This package aims to make typesetting good looking LATEX source code accessible. For this, it builds further on the generic 'listings' package. An example output is shown in Figure 1.

#### Repository

https://github.com/vkuhlmann/highlight-latex

#### And look at this beautiful code

```
% Here is some code
\setcounter{secnumdepth}{1}
\begin{document}
  \section{My section (and Hi!)}

\unknowncommand\knowncommand
\inAccA\inAccB\inAccC
\section √2 ← cool!

Insert literal tildes like ~. Hi!
\end{document}
```

with some text after it.

Let's also show square brackets:

```
% File: document.tex
\documentclass[a4paper]{article}
\usepackage{amsmath}

\begin{document}
   Insert math like $\sqrt{2}$.
   \inAccA\inAccB\inAccC

\end{document}
```

The first line was of the form \documentclass[]{}. Very interesting. Note the # are only green because we defined it as a keyword.

Go to https://github.com/vkuhlmann/highlight-latex

Figure 1: Output of 'demo.tex'.

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### 1 Getting started

After having added the package, you can add LaTeX in two ways.

#### 1.1 Inline style

```
EXAMPLE Your file begins with a line of the form \hll|\documentclass[]{}|. The square brackets ...
```

The first non-space character following \hll delimits the argument to this command.

#### 1.2 Block style

```
EXAMPLE
```

```
Your basic document now looks like

| begin{highlightblock}[gobble=4]
| documentclass[a4paper]{article}

| begin{document}
| Hello world!
| end{document}
| wend{highlightblock}
```

To prevent indentation of our highlightblock (here one tab) to be shown as part of the code, the gobble parameter strips them off. Play around with it until everything looks right. I recommend to set this value globally using \def\defaultgobble{2}. You can still override it on a per-block basis, if necessary.

There are situations the block could run out of the page, for example you need to save the block for use in a beamer document (see Section 4). In that case, the normal full-width of a slide is assumed, but you might want to use it in a slide with multiple columns. Set the linewidth on the highlightblock. This can be a fraction of the total slide width available, 0.6\textwidth is 60% of the width, or an absolute value, like 10em, which seems to equal 20 characters.

There are more keys you can provide. Check the listings package documentation <sup>1</sup> for options available to the lstlisting-environment and lstset command.

### 2 Macro \updatehighlight

#### 2.1 Adding a command to a highlighting rule

By default, only some LaTeX commands will be highlighted in blue. If there are others you need, like \tableofcontents and \figref, update the highlighting rules:

```
USE \updatehighlight{
    name = default,
    add = {
        \tableofcontents, \figref
    }
}
```

The change will only affect code after it. I recommend issuing updatehighlight in your preamble (before the \begin{document}}). In some situations you might want to change things mid-document. That's possible too.

<sup>1</sup> https://www.ctan.org/pkg/listings

#### 2.2 Custom highlighting rules

#### 2.2.1 Example

As shown in demo.tex, you can put any command or keyword you want to highlight in a different color. You do this with

#### EXAMPLE

```
\updatehighlight{
    % The name allows you to modify the style later.
    name = spotlight,
    color = orange,
    add = {
        \tableofcontents
    }
}
```

You can use the xcolor syntax for describing colors as well. If you find the orange too bright, you can replace it with orange!90!black: 90% orange, remaining is black. For more information on color definitions and name, refer to LaTeX/Colors on Wikibooks <sup>2</sup>.

#### 2.2.2 Specification

The argument to \updatehighlight is a key-value list. Keys are processed sequentially. For example, use color before add rather than after it, and a key can appear multiple times. Each one will be processed. You can merge any two \updatehighlight in one. No need to close and reopen \updatehighlight for each highlighting rule.

You might be tempted to add a blank line for clarity; that means a new paragraph to LaTeX, don't do it. Instead, just put a line with only a \% sign. Spacing within the argument is often irrelevant. If you need a comma in the value, surround your value with braces.

#### name

Creates or modifies a named rule. This key is optional.

The default keys are default, which includes a bunch of basic commands, and has by default a dark blue color, and structure, which consists of \begin and \end and prints them in light blue.

#### classoffset

Sets the listings classoffset manually. Try to avoid this. Use name to refer to existing rules instead.

#### add

Adds a command (\mycommand) or keyword (Hi!) to the current rule. The value can contain multiple values by opening braces, and comma separating values within them.

#### remove

Removes a commands or keywords from the current rule. The value can contain multiple values by opening braces, and comma separating values within them.

 $<sup>^2\,\</sup>mathtt{https://en.wikibooks.org/wiki/LaTeX/Colors}$ 

#### clear

Removes all commands and keywords from the current rule. Use without value, for example

```
EXAMPLE \updatehighlight{
    name = default,
    clear
}
```

#### color

Specifies a color for the rule. Equivalent to specifying style instead, with value \color{value} where value is the value for the color key. So color=red and style=\color{red} are equivalent.

#### style

Specifies a style for the rule. A rule can have only one style. If you specify a style after add or remove, this starts a new (unnamed) rule. In practice, the only style which will probably work for you is just a color. For that, using the 'color' key is just a bit easier and neater. But hey, you have the option to set whatever style you want. :)

### 3 Global settings

There are some global parameters involved in the appearance:

```
OVERVIEW \colorlet{curlyBrackets}{red!50!blue} \colorlet{squareBrackets}{blue!50!white} \colorlet{codeBackground}{gray!10!white} \colorlet{comment}{green!40!black} \def \defaultgobble{0}
```

Each line can be set independent of each other, and each shows its default value.

There are package options you can use as well:

```
frame (default: lines)
```

Specifies the frame you want around code. My favorites are lines and none. Check the listings package documentation <sup>3</sup> for all possibilities.

noframe (use without value)

Equivalent to frame=none.

styleanywhere (use without value)

Overrides the default behavior that style starts a new style after commands like add and remove.

### 4 Fragile breaking situations (like beamer frames)

When passing command arguments around, or storing environment content, LaTeX interprets all characters. This includes seeing \maketitle in \hll|\maketitle| as a real command. To prevent this behavior, everything from \verb, to the verbatim-environment, to the listings package (which this package depends on) temporarily changes the interpretation of characters that are still to be read. The blackslash before maketitle in \hll|\maketitle| will be read as 'just text' (a letter technically).

<sup>3</sup> https://www.ctan.org/pkg/listings

When content gets interpreted early, like the frame-environment in beamer does, this trick can't be done anymore. Instead, you either need to escape code, or pre-process the code outside a fragile breaking situation.

Escaping is done by preceding special characters with a backslash. For example, \hll\\documentclass[]{\}|.

For large code blocks, this is undesirable. Therefore, the package provides for a companion to the highlightblock-environment: surround it with a saveblock-environment which takes a single argument: a name to assign it. For example:

#### EXAMPLE

```
begin{saveblock}{basicfigure}
  \begin{highlightblock}{linewidth=0.6\textwidth}
  \begin{figure}
    \includegraphics
    [width=0.9\linewidth]
    {myPlot.pdf}

    \caption{My plot}
    \label{fig:myplot}
    \end{figure}
  \end{highlightblock}
\end{saveblock}
```

Do this outside a fragile breaking situation. (For the frame-environment example, that means just before the frame for example.) Then, where you want to use it, use \useblock{basicfigure}, where the argument is the name used during saving. There is also a variant \consumeblock{basicfigure}. If you save many blocks, these will all remain loaded in memory till your PDF has fully generated. The \consumeblock works like \useblock, except the saved block is deleted from memory after its use. Note this can also result in unexpected behavior, for example animations in a beamer frame might need the code line to be executed multiple times. Use \useblock when you can't guarantee the last use of a block.

There is a separate demo for fragile breaking situations. You can find it at deamerdemo/deamerdemo.tex.

### 5 Adding extra space

By default, highlightlatex follows an approach where it minimizes spacing. This gives you full control over how tight or spacious your document looks. Just use commands like \medskip to add extra spacing. The package doesn't currently include an option to do it everywhere automatically.

### 6 License & Credits

The package is available under MIT License. See LICENSE.txt.

Thanks for minor fixes:

gemmaro

For any bug, feature request, unclarity, or whatever else related to this package, you're welcome to open an issue or pull-request. Issues can be opened on

```
URL https://github.com/vkuhlmann/highlight-latex/issues
```

Thanks for contributing!

### 7 Implementation

1 \NeedsTeXFormat{LaTeX2e}[1994/06/01]

```
2 \ProvidesPackage{highlightlatex}[2021/03/17 highlightlatex v1.0.0 + Dev]
3
4 %% Repository: https://github.com/vkuhlmann/highlight-latex
5 %% Version: v1.0.0 + Dev
7 %% Copyright (c) 2021 Vincent Kuhlmann
9 % Permission is hereby granted, free of charge, to any person obtaining a copy of
10 %% this software and associated documentation files (the "Software"), to deal in
11 %% the Software without restriction, including without limitation the rights to
12 %% use, copy, modify, merge, publish, distribute, sublicense, and/or sell copies of
13 %% the Software, and to permit persons to whom the Software is furnished to do so,
14 %% subject to the following conditions:
15 %%
16 %% The above copyright notice and this permission notice shall be included in all
17 %% copies or substantial portions of the Software.
18 %%
19 %% THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR
20 %% IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, FITNESS
21 %% FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT. IN NO EVENT SHALL THE AUTHORS OR
22 %% COPYRIGHT HOLDERS BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER LIABILITY, WHETHER
23 %% IN AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING FROM, OUT OF OR IN
24 %% CONNECTION WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS IN THE SOFTWARE.
26 \RequirePackage{listings}
27 \RequirePackage{xcolor}
29 \RequirePackage{xkeyval}
30 \RequirePackage{etoolbox}
32 %% Snippet source:
33 %% https://tex.stackexchange.com/questions/406015/defining-macro-gsetlength-as-global-setlength-reliable
34 \gdef\gsetlength#1#2{%
      \begingroup
          \setlength\skip@{#2}%
36
37
          \global#1=\skip@
      \endgroup
38
39 }
40
42 \def\@highlight@frame{none}
43 \newlength{\hll@offset@fixskip}
44 \setlength{\hll@offset@fixskip}{0pt}
46 \newif\ifhllStyleAnywhere
47 \newcommand\defaultgobble{0}
48 \newif\ifhllDebugFrame
49 \newlength\hllBeforeSkip
50 \setlength\hllBeforeSkip{2pt}
51 \newlength\hllAfterSkip
52 \setlength\hllAfterSkip{0pt}
53
      Package options
54 \DeclareOptionX{frame}{
      \setframe{#1}
56 }
```

57

```
58 \DeclareOptionX{noframe}{
       \setframe{none}
59
60 }
61
62 \DeclareOptionX{debugframe}{
       \hllDebugFrametrue
64 }
65
66 \def\setframe#1{%
       \def\frameval{#1}%
67
       \int \frac{1}{relax}
68
           \def\frameval{lines}%
69
70
       \def\linesvalue{lines}%
 71
72
       \xdef\@highlight@frame{\frameval}%
73
74
       \ifx\frameval\linesvalue
75
76
           \gsetlength{\hll@offset@fixskip}{6pt}%
77
            \gsetlength{\hll@offset@fixskip}{Opt}%
78
       \fi
79
80 }
81
82 \DeclareOptionX{styleanywhere}{
83
       \hllStyleAnywheretrue
84 }
85
86 \newcounter{hlltabsize}
87 \setcounter{hlltabsize}{4}
88
89 \DeclareOptionX{tabsize}{
       \setcounter{hlltabsize}{#1}
91 }
92
93 \DeclareOptionX{gobble}{
       \def\defaultgobble{#1}
94
95 }
97 \DeclareOptionX*{\PackageWarning{highlightlatex}{'\CurrentOption' ignored}}
98 \ExecuteOptionsX{frame=lines}
100 \ProcessOptionsX\relax
101
       Initialization
7.2
102 \colorlet{curlyBrackets}{red!50!blue}
103 \colorlet{squareBrackets}{blue!50!white}
104 \colorlet{codeBackground}{gray!6!white}
105 \colorlet{comment}{green!40!black}
106
107 \colorlet{accDefault}{blue!90!black}
108 \definecolor{accStructure}{RGB}{0,149,255}
110 \colorlet{accentB}{green!60!black}
112 \catcode'\{=11
113 \let\myopenbrace={
```

```
114 \catcode' = 1
115
116 \catcode'\}=11
117 \let\myclosebrace=}
118 \catcode '\}=2
119
120 \lstdefinelanguage{ColoredLaTeX}
121 [LaTeX] {TeX} {
       backgroundcolor=\color{codeBackground},
122
       keywordstyle=\bfseries\color{accDefault},
123
       basicstyle=\footnotesize\ttfamily,
124
       commentstyle=\color{comment},
125
126
       numbers=none,
       tabsize=\thehlltabsize,
127
       mathescape=false,
128
       alsoletter={$0_!|?$},
129
130 %
       classoffset=0,
131
132
       keywordstyle=\color{accDefault},
133
       texcsstyle=*\color{accDefault},
       moretexcs={subsection, the subsection, the section, theorem style},
134
135
       deletetexcs={begin,end},
136 %
137
       classoffset=1,
       keywordstyle=\color{accStructure},
138
       texcsstyle=*\color{accStructure},
139
140
       moretexcs={begin,end},
141 %
142
       classoffset=2,
       escapeinside=~~,
143
144 %
145
       classoffset=0,
146
       %literate={textA}{textB}{3}%
       %https://tex.stackexchange.com/questions/172945/coloring-in-listing
147
       literate={\{}{{\textcolor{curlyBrackets}{\myopenbrace}}}{1}
148
           {\}}{{\textcolor{curlyBrackets}{\myclosebrace}}}{1}
149
           {[}{{\textcolor{squareBrackets}{[}}}{1}
150
           {]}{{\textcolor{squareBrackets}{]}}}{1}%
151
       %
152
                {(}{{\textcolor{delimiterColor}{(}}}{1}
153
                {)}{{\textcolor{delimiterColor}{)}}}{1}%
       %texcsstyle=\color{blue}
154
155 }
156 \lstset{language=ColoredLaTeX}
157
158 \def\hll@assignlabel#1#2{%
       \expandafter\gdef\csname hll@labeltoclassoffset@#1\endcsname{#2}%
159
160 }
161
162 \hll@assignlabel{default}{0}
163 \hll@assignlabel{structure}{1}
164
       Options
166
       \lstset{
167
           classoffset=2,
           moredelim=**[s][#1]{$}{$},
168
           classoffset=0
169
```

```
170
       }%
171 }
172
173 \newcommand{\hllDelimParen}[1][\color{green!40!black}]{%
174
        \lstset{
175
            classoffset=2,
            moredelim=**[s][#1]{\(){\)},
176
177
            classoffset=0
       }%
178
179 }
180
181 \define@key{hllglobal}{tabsize}{%
182
183 }
184
185 \define@key{hllglobal}{frame}{%
186
187 }
188
189 \define@key{hllglobal}{noframe}{%
190
191 }
192
193 \define@key{hllglobal}{mathdollarstyle}{%
194
195 }
197 \define@key{hllglobal}{mathdollarcolor}{%
198
199 }
200
201 \define@key{hllglobal}{mathparenstyle}{%
202
204 \define@key{hllglobal}{mathparencolor}{%
205
206 }
207
208 \ensuremath{\mbox{define@key{hllglobal}{gobble}{\mbox{\mbox{$\%$}}}}
209
210 }
211
212 \define@key{hllglobal}{alsoletter}{%
213
214 }
216 \define@key{hllglobal}{backgroundcolor}{%
217
218 }
219 \define@key{hllglobal}{bracketcolor}{%
220
221 }
222 \define@key{hllglobal}{bracecolor}{%
223
224 }
225
226
227
228
```

#### 7.4Block and inline markup

282 \newcommand\useblock[1]{% \ifhllDebugFrame

283

```
229 \newcommand{\hllPrepareBlock}{\%}
       \lstset{framesep=0.1cm,framerule=0.6pt}%
230
       \def\setHighlightFrame##1{%
231
           \lstset{frame=##1}%
232
233
       \expandafter\setHighlightFrame\expandafter{\@highlight@frame}%
234
       \lstset{belowskip=0pt,aboveskip=0pt,belowcaptionskip=0pt,gobble=\defaultgobble}%
235
       \setlength\parskip{0pt}%
236
       \setlength\parindent{0pt}%
237
238 }
239
240 \lstnewenvironment{highlightblock}[1][]
241 {%
       \vspace{\hllBeforeSkip}%
242
243
       \begingroup
       \hllPrepareBlock\lstset{#1}%
244
245 }{%
       \nointerlineskip
246
247
       \endgroup
       \vspace{\hllAfterSkip}%
248
249 }
250
251 \lstnewenvironment{hllblock}[1][]
252 {%
253
       \vspace{\hllBeforeSkip}%
       \begingroup
254
       \hllPrepareBlock\lstset{#1}%
255
256 }{%
       \endgroup
257
       \vspace{\hllAfterSkip}%
258
259 }
260
261 \def\hll{\lstinline}
262
       Block saving
7.5
263 \newenvironment{saveblock}[1]{%
264
       \expandafter\ifx\csname @codebox@#1\endcsname\relax
265
            \expandafter\newbox\csname @codebox@#1\endcsname\relax
266
       \fi
267
       %% The trick from latex/base/latex.ltx
268
       \edef\@bracehack{%
269
           \endgroup
270
           \expandafter\setbox\csname @codebox@#1\endcsname\vbox{%
271
272
                \begingroup\aftergroup\%
           \def\noexpand\@currenvir{\@currenvir}%
273
274
           \def\noexpand\@currenvline{\on@line}}%
275
       \@bracehack
       \begingroup\vspace{\hll@offset@fixskip}
276
277
       \ignorespaces%
278 }{%
279
       \endgroup
280 }
```

```
\par
284
285
           {%
                \setlength{\fboxsep}{0pt}%
286
                \fcolorbox{orange}{red}{\expandafter\usebox\csname @codebox@#1\endcsname}%
287
           }%
288
289
           \par
290
       \else
           \par\expandafter\usebox\csname @codebox@#1\endcsname\par
291
292
293
294
295 \newcommand\consumeblock[1]{%
296
       \ifhllDebugFrame
           \par
297
           {%
298
                \setlength{\fboxsep}{0pt}%
299
                \setlength{\fboxrule}{1pt}%
300
                \fcolorbox{orange}{red}{\leavevmode\expandafter\box\csname @codebox@#1\endcsname\relax}%
301
302
           }
303
           \par
           \expandafter\let\csname @codebox@#1\endcsname\relax
304
305
           \par\leavevmode\expandafter\box\csname @codebox@#1\endcsname\relax\par
306
           \expandafter\let\csname @codebox@#1\endcsname\relax
307
308
       \fi
309 }
310
       Macro \updatehighlight
```

```
311 \def\hll@update@label{}
312
313 \newcounter{hll@update@state}
314
315 \newcounter{hll@update@nextclassoffset}
316 \setcounter{hll@update@nextclassoffset}{5}
317
318 \newcounter{hll@update@classoffset}
319
320 \def\hll@update@fixclassoffset{%
       \ifnum\value{hll@update@state}<1\relax
321
       \setcounter{hll@update@classoffset}{\thehll@update@nextclassoffset}%
322
323
       \stepcounter{hll@update@nextclassoffset}%
324
       \setcounter{hll@update@state}{1}%
325
326 }
327
328 \newcommand{\updatehighlight}[1]{%
       \setcounter{hll@update@state}{-1}%
329
       \gdef\hll@update@label{}%
       \setkeys{updatehighlight}{#1}%
331
332
       \lstset{classoffset=0}%
333
334 }
335
```

#### 7.6.1 Key 'name'

```
338 }
339
340 \def\hll@update@setlabel#1{
       \gdef\hll@update@label{#1}%
341
       \expandafter\def\expandafter\@capturedlabel\expandafter{\csname hll@labeltoclassoffset@#1\endcsname}%
342
343
       \expandafter\unless\expandafter\ifx\@capturedlabel\relax\relax
344
            % Label exists
            \edef\@val{\@capturedlabel}%
345
            \setcounter{hll@update@classoffset}{\@val}%
346
            \setcounter{hll@update@state}{1}%
347
       \else
348
            % Allocate new label
349
            \edef\@val{\thehll@update@nextclassoffset}%
350
            \setcounter{hll@update@classoffset}{\@val}%
351
            \stepcounter{hll@update@nextclassoffset}%
352
            \setcounter{hll@update@state}{1}%
353
354
            \expandafter\xdef\@capturedlabel{\@val}%
355
356
       \fi
357 }
358
 7.6.2 Key 'classoffset'
359 \define@key{updatehighlight}{classoffset}{%
       \setcounter{hll@update@classoffset}{#1}%
360
       \setcounter{hll@update@state}{1}%
361
362 }
7.6.3 Key 'add'
363 \define@key{updatehighlight}{add}{%
       \hll@update@add{#1}%
364
365 }
366
367 \def\hll@update@add#1{%
       \hll@update@fixclassoffset
368
       \def\@inv##1{\forcsvlist{\hll@update@additem{##1}}{#1}}%
369
370
       \expandafter\@inv\expandafter{\the\c@hll@update@classoffset}
371
       \setcounter{hll@update@state}{2}%
372
373 }
374
375 \def\hll@update@additem#1#2{%
376
       \if\noexpand#2\relax
            \edef\keywordpure{\expandafter\@gobble\string#2}%
377
378
            \def\callwithpure##1{\hll@update@addmacro{#1}{##1}}%
            \expandafter\callwithpure\expandafter{\keywordpure}%
379
380
       \else
            \hll@update@addkeyword{#1}{#2}%
381
382
       \fi
383 }
384
385 \def\hll@update@addmacro#1#2{%
386
       \lstset{
387
            classoffset=0,deletetexcs={#2},
            classoffset=1,deletetexcs={#2},
388
            classoffset=#1,moretexcs={#2},
389
            classoffset=0
390
       }%
391
```

```
392 }
393
394 \def\hll@update@addkeyword#1#2{%
       \lstset{
395
           classoffset=0,deletekeywords={#2},
396
397
           classoffset=1,deletekeywords={#2},
398
           classoffset={#1},otherkeywords={#2},morekeywords={#2},
           classoffset=0
399
       }%
400
401 }
402
       Key 'remove'
7.6.4
403 \define@key{updatehighlight}{remove}{%
       \hll@update@remove{#1}%
404
405 }
406
407 \def\hll@update@remove#1{%
       \hll@update@fixclassoffset
408
       \def\@inv##1{\forcsvlist{\hll@update@removeitem{##1}}{#1}}%
409
410
       \expandafter\@inv\expandafter{\the\c@hll@update@classoffset}
411
412
       \setcounter{hll@update@state}{2}%
413 }
414
415 \def\hll@update@removeitem#1#2{%
416
       \if\noexpand#2\relax
           \edef\keywordpure{\expandafter\@gobble\string#2}%
417
           \def\callwithpure##1{\hll@update@removemacro{#1}{##1}}%
418
           \expandafter\callwithpure\expandafter{\keywordpure}%
419
       \else
420
            \hll@update@removekeyword{#1}{#2}%
421
422
       \fi
423 }
424
425 \def\hll@update@removemacro#1#2{%
       \lstset{
426
           classoffset={#1},
427
           deletetexcs={#2},
428
           classoffset=0
429
       }%
430
431 }
432
433 \def\hll@update@removekeyword#1#2{%
       \lstset{
434
           classoffset={#1},
435
436
           deletekeywords={#2},
437
           classoffset=0
       }%
438
439 }
440
7.6.5 Key 'style'
441 \define@key{updatehighlight}{style}{%
442
       \hll@update@fixclassoffset
       \unless\ifhllStyleAnywhere
443
           \ifnum\value{hll@update@state}>1\relax
444
                \setcounter{hll@update@state}{0}%
445
```

```
\hll@update@fixclassoffset
446
                                 \fi
447
                     \fi
448
                    %
449
                     \expandafter\hll@update@setstyle\expandafter{\the\c@hll@update@classoffset}{#1}%
450
451 }
452
453 \def\hll@update@setstyle#1#2{%
                     \lstset{%
454
                                 classoffset={#1},
455
                                 keywordstyle={#2},
456
                                 texcsstyle={*#2},
457
458
                     }%
459 }
460
  7.6.6 Key 'color'
461 \define@key{updatehighlight}{color}{%
                     \hll@update@fixclassoffset
462
                     \unless\ifhllStyleAnywhere
463
464
                                 \ifnum\value{hll@update@state}>1\relax
465
                                             \setcounter{hll@update@state}{0}%
                                             \hll@update@fixclassoffset
466
                                 \fi
467
                     \fi
468
469
                     \expandafter\hll@update@setcolor\expandafter{\the\c@hll@update@classoffset}{#1}%
470
471 }
472
473 \def\hll@update@setcolor#1#2{%
                     \ \lstset{%
474
                                 classoffset={#1},
475
                                 keywordstyle={\color{#2}},
476
477
                                 texcsstyle={*\color{#2}},
478
                     }%
479 }
480
  7.6.7 Key 'clear'
481 \define@key{updatehighlight}{clear}[]{%
482
                     \hll@update@fixclassoffset
                     \verb|\expandafter\hll@update@clear\expandafter{\the\c@hll@update@classoffset}||% \color="1" of the continuous content of the co
483
484 }
485
486 \def\hll@update@clear#1{%}
                     \lstset{
487
                                 classoffset={#1},
488
489
                                 texcs={},
                                 keywords={},
490
491
                                 classoffset=0
492
                    }%
493 }
```