Package highlightlatex manual

Vincent Kuhlmann vincent.kuhlmann@hotmail.com

March 23, 2021

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 good looking LATEX source code feasible for all users. 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'.

Contents

1	Getting started 1.1 Inline style 1.2 Block style	3 3
2	Macro \updatehighlight 2.1 Adding a command to a highlighting rule 2.2 Custom highlighting rules 2.2.1 Example 2.2.2 Specification 2.2.2 Specification	3 4 4 4
3	Global settings	5
4	Fragile breaking situations (like beamer frames)	5
5	Adding extra space	6
6	License & Credits	6
7	7.3 Options 7.4 Block and inline markup 7.5 Block saving 7.6 Macro \updatehighlight 7.6.1 Key 'name' 7.6.2 Key 'classoffset' 7.6.3 Key 'add' 7.6.4 Key 'remove' 7.6.5 Key 'style' 7.6.6 Key 'color'	7 8 8 9 10 10 11 12 12 13 13 14

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

```
Your basic document now looks like

\begin{highlightblock}[gobble=2]
\documentclass[a4paper]{article}
\begin{document}
Hello world!
\end{document}
\end{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 where width of the block could run out of the page. For example, when using beamer and storing a block as described in the section 'Fragile breaking situations', the normal full-width of a slide is assumed. If you use 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 ¹ 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.

¹ 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 ².

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.

² 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 ³ 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).

³ https://www.ctan.org/pkg/listings

When content has already been interpreted, 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 the special character 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. We use it to refer to it later. 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}. 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 make the 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, highlight-latex 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]
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
10 % obtaining a copy of this software and associated documentation
11 % files (the "Software"), to deal in the Software without
12\ \% restriction, including without limitation the rights to use,
13 % copy, modify, merge, publish, distribute, sublicense, and/or sell
14 \% copies of the Software, and to permit persons to whom the
15 % Software is furnished to do so, subject to the following
16 % conditions:
18\ \% The above copyright notice and this permission notice shall be
19 % included in all copies or substantial portions of the Software.
21 % THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND,
22 % EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES
23 % OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND
24 % NONINFRINGEMENT. IN NO EVENT SHALL THE AUTHORS OR COPYRIGHT
25 % HOLDERS BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER LIABILITY,
26 % WHETHER IN AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING
27 % FROM, OUT OF OR IN CONNECTION WITH THE SOFTWARE OR THE USE OR
28 % OTHER DEALINGS IN THE SOFTWARE.
30 \RequirePackage{listings}
31 \RequirePackage{xcolor}
33 \RequirePackage{xkeyval}
34 \RequirePackage{etoolbox}
35
36 %% Snippet source:
37 % https://tex.stackexchange.com/questions/406015/defining-macro-gsetlength-as-global-setlength-reliable
38 \gdef\gsetlength#1#2{%
39
      \begingroup
          \setlength\skip@{#2}%
40
          \global#1=\skip@
41
42
      \endgroup
43 }
44
45
46 \def\@highlight@frame{none}
47 \newlength{\hll@offset@fixskip}
48 \setlength{\hll@offset@fixskip}{0pt}
50 \newif\ifhllStyleAnywhere
51 \newcommand\defaultgobble{0}
52 \newif\ifhllDebugFrame
53 %\hllDebugFrametrue
54 \newlength\hllBeforeSkip
55 \setlength\hllBeforeSkip{2pt}
56 \newlength\hllAfterSkip
57 \setlength\hllAfterSkip{0pt}
```

7.1 Package options

```
59 \DeclareOptionX{frame}{
      \setframe{#1}
60
61 }
62
63 \DeclareOptionX{noframe}{
      \setframe{none}
64
65 }
66
67 \def\setframe#1{%
      \def\frameval{#1}%
68
      \ifx\relax#1\relax
69
           \def\frameval{lines}%
70
71
72
      \def\linesvalue{lines}%
73
      \xdef\@highlight@frame{\frameval}%
74
75
      \ifx\frameval\linesvalue
76
           \gsetlength{\hll@offset@fixskip}{6pt}%
77
78
           \gsetlength{\hll@offset@fixskip}{Opt}%
79
      \fi
80
81 }
82
83 \DeclareOptionX{styleanywhere}{
      \hllStyleAnywheretrue
85 }
87 \DeclareOptionX*{\PackageWarning{highlightlatex}{'\CurrentOption' ignored}}
88 \ExecuteOptionsX{frame=lines}
90 \ProcessOptionsX\relax
91
```

7.2 Initialization

```
92 \colorlet{curlyBrackets}{red!50!blue}
93 \colorlet{squareBrackets}{blue!50!white}
94 \colorlet{codeBackground}{gray!10!white}
95 \colorlet{comment}{green!40!black}
96
97 \colorlet{accDefault}{blue!90!black}
98 \definecolor{accStructure}{RGB}{0,149,255}
99
100 \colorlet{accentB}{green!60!black}
101
102 \catcode'\{=11
103 \let\myopenbrace={
104 \catcode'\{=1}
105
106 \catcode'\}=11
107 \let\myclosebrace=}
108 \catcode'\}=2
109
110 \lstdefinelanguage{ColoredLaTeX}
111 [LaTeX]{TeX}{
```

```
backgroundcolor=\color{codeBackground},
112
113
       keywordstyle=\bfseries\color{accDefault},
       basicstyle=\footnotesize\ttfamily,
114
       commentstyle=\color{comment},
115
       numbers=none,
116
117
       tabsize=4,
118
       mathescape=false,
       alsoletter={$0_!|?$},
119
120 %
121
       classoffset=0,
       keywordstyle=\color{accDefault},
122
       texcsstyle=*\color{accDefault},
123
124
       moretexcs={subsection, the subsection, the section, theorem style},
125
       deletetexcs={begin,end},
126 %
127
       classoffset=1,
       keywordstyle=\color{accStructure},
128
       texcsstyle=*\color{accStructure},
129
130
       moretexcs={begin,end},
131 %
       classoffset=2,
132
133
       escapeinside=~~,
134 %
       classoffset=0,
135
       %literate={textA}{textB}{3}%
136
       %https://tex.stackexchange.com/questions/172945/coloring-in-listing
137
       literate={\{}{{\textcolor{curlyBrackets}{\myopenbrace}}}{1}
138
           {\}}{{\textcolor{curlyBrackets}{\myclosebrace}}}{1}
139
           {[}{{\textcolor{squareBrackets}{[}}}{1}
140
           {]}{{\textcolor{squareBrackets}{]}}}{1}%
141
       %
                 {(}{{\textcolor{delimiterColor}{(}}}{1}
142
143
       %
                 {))}{{\textcolor{delimiterColor}{)}}}{1}%
144
       %texcsstyle=\color{blue}
145 }
146 \lstset{language=ColoredLaTeX}
147
148 \def\hll@assignlabel#1#2{%
       \expandafter\gdef\csname hll@labeltoclassoffset@#1\endcsname{#2}%
149
150 }
152 \hll@assignlabel{default}{0}
153 \hll@assignlabel{structure}{1}
154
       Options
7.3
155 \newcommand{\hllDelimDollar}[1][\color{green!40!black}]{%
       \lstset{
156
157
           classoffset=2,
           moredelim=**[s][#1]{$}{$},
158
           classoffset=0
159
160
       }%
161 }
163 \newcommand{\hllDelimParen}[1][\color{green!40!black}]{%
       \lstset{
164
165
           classoffset=2,
           moredelim=**[s][#1]\{\(\}\{\)\},
166
           classoffset=0
167
```

```
}%
168
169 }
170
```

Block and inline markup 7.4

```
171 \newcommand{\hllPrepareBlock}{%
       \lstset{framesep=0.1cm,framerule=0.6pt}%
172
       \def\setHighlightFrame##1{%
173
           \lstset{frame=##1}%
174
       }%
175
       \expandafter\setHighlightFrame\expandafter{\@highlight@frame}%
176
       \lstset{belowskip=0pt,aboveskip=0pt,belowcaptionskip=0pt,gobble=\defaultgobble}%
177
       \setlength\parskip{0pt}%
178
       \setlength\parindent{0pt}%
179
180 }
181
182 \lstnewenvironment{highlightblock}[1][]
183 {%
       \vspace{\hllBeforeSkip}%
184
       \begingroup
185
       \hllPrepareBlock\lstset{#1}%
186
187 }{%
188
       \nointerlineskip
189
       \endgroup
       \vspace{\hllAfterSkip}%
190
191 }
192
193 \lstnewenvironment{hllblock}[1][]
194 {%
195
       \vspace{\hllBeforeSkip}%
       \begingroup
196
       \hllPrepareBlock\lstset{#1}%
197
198 }{%
       \endgroup
199
       \vspace{\hllAfterSkip}%
200
201 }
203 \def\hll{\lstinline}
204
       Block saving
 7.5
205 \newenvironment{saveblock}[1]{%
       \expandafter\ifx\csname @codebox@#1\endcsname\relax
            \expandafter\newbox\csname @codebox@#1\endcsname\relax
       \fi
       %
       %% The trick from latex/base/latex.ltx
```

```
206
207
208
209
210
       \edef\@bracehack{%
211
            \endgroup
212
            \expandafter\setbox\csname @codebox@#1\endcsname\vbox{%
213
                \begingroup\aftergroup}%
214
215
            \def\noexpand\@currenvir{\@currenvir}%
216
            \def\noexpand\@currenvline{\on@line}}%
217
       \@bracehack
       \begingroup\vspace{\hll@offset@fixskip}
218
       \ignorespaces%
219
220 }{%
221
       \endgroup
```

```
222 }
223
224 \newcommand\useblock[1]{%
       \ifhllDebugFrame
225
            \par
226
227
            {%
228
                \setlength{\fboxsep}{0pt}%
                \fcolorbox{orange}{red}{\expandafter\usebox\csname @codebox@#1\endcsname}%
229
            }%
230
231
            \par
       \else
232
            \par\expandafter\usebox\csname @codebox@#1\endcsname\par
233
234
       \fi
235 }
236
237 \newcommand\consumeblock[1]{%
       \ifhllDebugFrame
238
            \par
239
240
            {%
241
                \setlength{\fboxsep}{0pt}%
                \setlength{\fboxrule}{1pt}%
242
                \fcolorbox{orange}{red}{\leavevmode\expandafter\box\csname @codebox@#1\endcsname\relax}%
243
            }
244
            \par
245
            \expandafter\let\csname @codebox@#1\endcsname\relax
246
247
248
            \par\leavevmode\expandafter\box\csname @codebox@#1\endcsname\relax\par
            \expandafter\let\csname @codebox@#1\endcsname\relax
249
       \fi
250
251 }
252
```

7.6 Macro \updatehighlight

```
253 \def\hll@update@label{}
255 \newcounter{hll@update@state}
257 \newcounter{hll@update@nextclassoffset}
258 \setcounter{hll@update@nextclassoffset}{5}
259
260 \newcounter{hll@update@classoffset}
261
262
   \def\hll@update@fixclassoffset{%
       \ifnum\value{hll@update@state}<1\relax
263
       \setcounter{hll@update@classoffset}{\thehll@update@nextclassoffset}%
264
       \stepcounter{hll@update@nextclassoffset}%
265
       \setcounter{hll@update@state}{1}%
266
267
       \fi
268 }
270 \newcommand{\updatehighlight}[1]{%
       \setcounter{hll@update@state}{-1}%
271
       \gdef\hll@update@label{}%
272
       \setkeys{updatehighlight}{#1}%
273
274
       \lstset{classoffset=0}%
275
276 }
277
```

```
7.6.1 Key 'name'
```

```
278 \define@key{updatehighlight}{name}{%
       \hll@update@setlabel{#1}%
279
280 }
281
282 \def\hll@update@setlabel#1{
283
       \gdef\hll@update@label{#1}%
       \expandafter\def\expandafter\@capturedlabel\expandafter{\csname hll@labeltoclassoffset@#1\endcsname}%
284
       \expandafter\unless\expandafter\ifx\@capturedlabel\relax\relax
285
            % Label exists
286
            \edef\@val{\@capturedlabel}%
287
            \setcounter{hll@update@classoffset}{\@val}%
289
            \setcounter{hll@update@state}{1}%
290
            % Allocate new label
291
            \edef\@val{\thehll@update@nextclassoffset}%
292
            \setcounter{hll@update@classoffset}{\@val}%
293
294
            \stepcounter{hll@update@nextclassoffset}%
            \setcounter{hll@update@state}{1}%
295
296
            \expandafter\xdef\@capturedlabel{\@val}%
297
       \fi
298
299 }
300
       Key 'classoffset'
7.6.2
301 \define@key{updatehighlight}{classoffset}{%
302
       \setcounter{hll@update@classoffset}{#1}%
303
       \setcounter{hll@update@state}{1}%
304 }
7.6.3 Key 'add'
305 \define@key{updatehighlight}{add}{%
306
       \hll@update@add{#1}%
307 }
308
309 \def\hll@update@add#1{%
       \hll@update@fixclassoffset
310
       \def\@inv##1{\forcsvlist{\hll@update@additem{##1}}{#1}}%
311
       \expandafter\@inv\expandafter{\the\c@hll@update@classoffset}
313
       \setcounter{hll@update@state}{2}%
314
315 }
316
317 \def\hll@update@additem#1#2{%
       \if\noexpand#2\relax
318
319
            \edef\keywordpure{\expandafter\@gobble\string#2}%
320
            \def\callwithpure##1{\hll@update@addmacro{#1}{##1}}%
            \expandafter\callwithpure\expandafter{\keywordpure}%
321
322
       \else
            \hll@update@addkeyword{#1}{#2}%
323
324
       \fi
325 }
327 \ensuremath{\mbox{\sc def}\mbox{\sc hll@update@addmacro#1#2}{\%}}
       \lstset{
328
            classoffset=0,deletetexcs={#2},
329
```

```
classoffset=1,deletetexcs={#2},
330
          classoffset=#1,moretexcs={#2},
331
          classoffset=0
332
      }%
333
334 }
335
336 \def\hll@update@addkeyword#1#2{%
      \lstset{
337
          classoffset=0,deletekeywords={#2},
338
          classoffset=1,deletekeywords={#2},
339
          classoffset={#1},otherkeywords={#2},morekeywords={#2},
340
          classoffset=0
341
342
      }%
343 }
344
7.6.4 Key 'remove'
345 \define@key{updatehighlight}{remove}{%
      \hll@update@remove{#1}%
346
347 }
348
349 \def\hll@update@remove#1{%
      \hll@update@fixclassoffset
350
      351
      \expandafter\@inv\expandafter{\the\c@hll@update@classoffset}
352
353
354
      \setcounter{hll@update@state}{2}%
355 }
356
\if\noexpand#2\relax
358
          359
          \def\callwithpure##1{\hll@update@removemacro{#1}{##1}}%
360
361
          \expandafter\callwithpure\expandafter{\keywordpure}%
362
363
          \hll@update@removekeyword{#1}{#2}%
      \fi
364
365 }
366
367 \def\hll@update@removemacro#1#2{%
      \lstset{
368
          classoffset={#1},
369
          deletetexcs={#2},
370
          classoffset=0
371
      }%
372
373 }
374
375 \def\hll@update@removekeyword#1#2{%
376
      \lstset{
          classoffset={#1},
377
          deletekeywords={#2},
378
          classoffset=0
379
      }%
380
381 }
382
```

Key 'style'

383 \define@key{updatehighlight}{style}{%

```
\hll@update@fixclassoffset
384
                    \unless\ifhllStyleAnywhere
385
                               \ifnum\value{hll@update@state}>1\relax
386
                                          \setcounter{hll@update@state}{0}%
387
                                          \hll@update@fixclassoffset
388
389
                               \fi
                   \fi
390
391
                    \expandafter\hll@update@setstyle\expandafter{\the\c@hll@update@classoffset}{#1}%
392
393 }
394
395 \def\hll@update@setstyle#1#2{%
                    \lstset{%
396
                               classoffset={#1},
397
                               keywordstyle={#2},
398
399
                               texcsstyle={*#2},
                   }%
400
401 }
402
 7.6.6 Key 'color'
403 \define@key{updatehighlight}{color}{%
                    \hll@update@fixclassoffset
404
                    \unless\ifhllStyleAnywhere
405
                               \ifnum\value{hll@update@state}>1\relax
406
                                          \setcounter{hll@update@state}{0}%
407
                                          \hll@update@fixclassoffset
408
                               \fi
                    \fi
410
411
                    \expandafter\hll@update@setcolor\expandafter{\the\c@hll@update@classoffset}{#1}%
412
413 }
414
415 \def\hll@update@setcolor#1#2{%
416
                    \lstset{%
                               classoffset={#1},
417
                               keywordstyle={\color{#2}},
418
                               texcsstyle={*\color{#2}},
419
                   }%
420
421 }
422
  7.6.7 Key 'clear'
423 \define@key{updatehighlight}{clear}[]{%
                    \hll@update@fixclassoffset
424
                    \verb|\expandafter\hll@update@clear\expandafter{\the\c@hll@update@classoffset}||% \cite{Chll@update@classoffset}||% \cite{Chll@update@classoffse
425
426 }
427
428 \def\hll@update@clear#1{%
429
                    \lstset{
430
                               classoffset={#1},
                               texcs={},
431
                               keywords={},
432
                               classoffset=0
433
434
                   }%
435 }
```