

mcode.sty Demo

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2019 年 2 月 2 日

NOTE

All that this package does, is configure the `listings` package for you. If anything is not working the way you want it, refer to the `listings` documentation first and a look at the `mcode.sty` file itself, which is well documented internally.

Installation of the package

As with any other package, just place the `mcode.sty` file in the same folder as your document, or put it somewhere where \LaTeX can find it. That's all!

Usage — 3 ways

1) This inline demo `for i=1:3, disp(cool); end;` uses the `\mcode{}` command.

2) The following is a block using the `lstlisting` environment.

```

1  for i = 1:3
2      if i ≥ 5                                % literate programming replacement
3          disp( cool );                      % comment with some  $\TeX$  in it:  $\pi x^2$ 
4      end
5      [~,ind] = max(vec);
6      x_last = x(1,end); % 中文注释
7      v(end);
8      really really long really really long really really long really ...
          really long really really long line % blaaaaaaaa
9  end

```

Note: Here, the package was loaded with the `framed`, `numbered`, `autolinebreaks` and `useliterate` options. **Please see the top of `mcode.sty` for a detailed explanation of these options.**

3) Finally, you can also directly include an external m-file from somewhere on your hard drive (the very code you use in MATLAB, if you want) using the `\lstinputlisting{/SOME/PATH/FILENAME.M}` command. If you only want to include certain lines from that file (for instance to skip a header), you can use `\lstinputlisting[firstline=6, lastline=15]{/SOME/PATH/FILENAME.M}`.

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