

FILE: UNPACK

```
1 \documentclass[aps, prl, preprint]{revtex4-1}
2
3 \usepackage{amsmath}
4 \usepackage{amsthm}
5 \usepackage{amsfonts}
6 \usepackage{amssymb}
7 \usepackage{natbib}
8 \usepackage{courier}
9 \usepackage{graphicx}
10
11 \theoremstyle{definition}
12 \newtheorem{definition}{Definition}
13
14 \usepackage{listings}
15 \usepackage{color} %red, green, blue, yellow, cyan, magenta,
    black, white
16 \definecolor{mygreen}{RGB}{28,172,0} % color values Red, Green,
    Blue
17 \definecolor{mylilas}{RGB}{170,55,241}
18
19 \begin{document}
20
21 \lstset{language=Matlab,%
22     basicstyle=\ttfamily,
23     breaklines=true,%
24     morekeywords={matlab2tikz},
25     keywordstyle=\color{blue},%
26     morekeywords=[2]{1}, keywordstyle=[2]{\color{black}},
27     identifierstyle=\color{black},%
28     stringstyle=\color{mylilas},
```

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29     commentstyle=\color{mygreen},%
30     showstringspaces=false,%without this there will be a symbol
        in the places where there is a space
31     numbers=left,%
32     numberstyle={\tiny \color{black}},% size of the numbers
33     numbersep=9pt, % this defines how far the numbers are from
        the text
34     emph=[1]{for,end,break},emphstyle=[1]\color{red}, %some
        words to emphasise
35     %emph=[2]{word1,word2}, emphstyle=[2]{style},
36 }
37
38 \section*{File: unpack}
39
40 %Change the input in the following line
41 \lstinputlisting{unpack}
42
43 \end{document}

```