

# L<sup>A</sup>T<sub>E</sub>X Setup for the Sublime Editor with Linux

Joseph Barton

1. Install Tex Live, other fonts, and other useful packages. (texlive-science has algorithm related packages such as algorithm.sty and algorithmic.sty)  
\$ sudo apt install texlive-base  
\$ sudo apt install texlive-fonts-recommended  
\$ sudo apt install texlive-fonts-extra  
\$ sudo apt install texlive-science  
\$ sudo apt install latexmk  
\$ sudo apt install biber
2. In Sublime, go to Tools → Install Package Control to install the package controller.
3. Use Sublime’s package control to install LaTeXTools package. In Sublime, go to “Preferences → Package Control → Package Control: Install Package” and scroll or search for LaTeXTools
4. Ensure setup is correct:
  - Go to “Preferences → Package Settings → LaTeXTools → Settings – User” and scroll to the linux settings (about line 227)
  - You will likely need to change the texpath to “\$PATH:/usr/bin” because that’s where stuff is installed.
  - Go to “Preferences → Package Settings → LaTeXTools → Check System”. The status of all essential programs should be labeled as “available”. The packages that have a “missing” status may need to be installed. You may be able to get away without installing xelatex and magick.
5. Now Create a .tex document (or just use this document) and press Ctrl+b to compile the file. The default pdf viewer should pop up and show the compiled document.
6. Install LaTeX-cwl and LaTeXXYZ with Sublime’s package control just like we did above. These packages assist with autocompletion and syntax shortcuts. For reference:
  - <https://github.com/LaTeXing/LaTeX-cwl>
  - <https://github.com/randy3k/LaTeXYZ>
7. A comprehensive list of L<sup>A</sup>T<sub>E</sub>X symbols can be found here:
  - <https://mirror.its.dal.ca/ctan/info/symbols/comprehensive/symbols-a4.pdf>