

Vim Up your L^AT_EX

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1 Introduction

1.1 What is Vim?

This is Vim



Figure 1: Vim

Vim is hard



Figure 2:

This is Vim

- Vim = Vi improved, it is an improvement over the old editor Vi
- It does have three modes **normal**, **visual** and **insert**
- It does have a really hard learning curve, but it is worth it!
- Configure it with the vimrc file

1.2 What do we need?

Requirements

Please keep in mind: those are only my recommendations. There are various other possibilities.

- An Unix like operating system. For running Vim natively.
- vim-latex, the L^AT_EX plugin.
- A PDF reader which supports PDF-TeX Sync. You can use Skim for example.
- gVim

2 Working with Vim

2.1 Compiling with Vim

Compile

The fastest way to this is to use one of many vim-latex shortcuts

- \ll ... two lower case L
- You can also set compilation rules. Either with menu TeX-Suit or with the command `g:Tex_CompRule_<format>`
- Take a look here: <http://vim-latex.sourceforge.net/documentation/latex-suite/compiler-rules.html>

2.2 Navigating Code

Use the Power of Vim to navigate through your code

- Just use the normal Vim commands to move around.
- h ... left
- j ... down
- k ... up
- l ... right

Those letters may seem arbitrary, but just take a look at your keyboard ☺

Jump Points

vim-latex uses jump points. Everytime you generate something with vim-latex it creates those points. It may be disturbing at the beginning, since you are getting used to it, it becomes really handy

- You can jump there in normal mode or even the insert mode.
- The shortcut is **CTRL + j**

Jump Points

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\begin{figure}[<+htpb+>]
\centering
\includegraphics{<+file+>}
\caption{<+caption text+>}
\label{fig:<+label+>}
\end{figure}<+>
```

Listing 1: Jump Points

2.3 Helpful Shortcuts

A List of handy Shortcuts

Just type them in, they even work directly in the insert mode.

- SSE for section
- SSS for subsection
- more section mappings can be found here: <http://vim-latex.sourceforge.net/documentation/latex-suite/section-mappings.html>
- EFI for images
- All mappings can be found here: <http://vim-latex.sourceforge.net/documentation/latex-suite.html>

3 Setup Guide

3.1 Setup

Recommended Setup

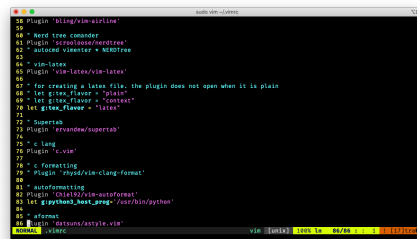
- gVim
- Vundle
- Skim
- vim-latex

3.2 Installation

Installation Steps

1. Install gVim
2. Setup Vundle
3. Edit your .vimrc file
4. Install vim-latex
5. Start working

~/**.vimrc**

A screenshot of a terminal window showing the contents of a .vimrc file. The file is being edited in vim, and the content includes various plugin installations and settings. The terminal window has a title bar that says "vim - ~/.vimrc". The content of the file is as follows:

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Figure 3: vimrc

3.3 Guide

Download the Complete Guide

- You can find a complete installation guide in the paper on Github.
- <https://github.com/x21L/vim-up-your-latex>

4 Vim vs. TeXstudio

4.1 Pros

Vim over TeXstudio

- Really fast
- Great UI
- Extremely customizable
- Nearly unlimited possibilities
- Versioning vimrc files with git → same config on different systems

4.2 Cons

TeXstudio over Vim

- Feature rich
- Easy to use
- Download and go
- Runs easily on every major system

5 Outlook

5.1 Alternatives to vim-latex

- vintex
- Just Vim with latexmk
- latex-box
- Take a look at <https://vimawesome.com/?q=latex>

5.2 Download it from Github

- <https://github.com/x21L/vim-up-your-latex>
- You can also find an A4 version of the slides there.
- You can exit and save with **:wq**

5.3 Live Demo

Demo Time

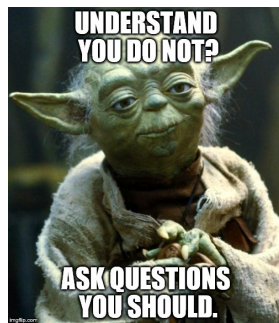


Figure 4: Questions