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Vim-Latex

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Installation

- Download from <http://vim-latex.sourceforge.net> and extract into `.vim`
- Add to your `.vimrc`

```
1 filetype plugin indent on
2 let g:tex_flavor='latex'
3 set iskeyword+=:
```

Templates

- Placed into `.vim/ftplugin/latex-suite/templates/`
- e.g.

```
1 <+      +>      !comp!      !exe!  
2 %      File: !comp!expand(":%p:t")!comp!  
3 %      Created: !comp!strftime("%a %b %d %I:00 %p %Y ").substitute  
4 % Last Change: !comp!strftime("%a %b %d %I:00 %p %Y ").substitute  
5 %  
6 \documentclass[a4paper]{article}  
7  
8 \usepackage{articleStyle}  
9  
10 \begin{document}  
11 <++>  
12 \end{document}
```

Key Mappings

- `<C-J>` moves the cursor to the next `<+>`.
 - `<f5>` expands a word: `graphicx` goes to `\usepackage{graphicx}`.
-
- **Smart Backspace.** `\'{a}` is treated as a single character.
 - **Smart Quotes.** Pressing " will insert the relevant ‘ ‘ or ’ ’.
 - **Smart Space.** `<space>` will not break \$ across lines.
 - **Smart Dots.** Pressing ... results in `\ldots` or `\cdots` .
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- `((= \left(<+> \right)`
 - `[[= \left[<+> \right]`

Macros

- Environments
 - EFI, EEQ, EAL, EAR, ...
- Fonts
 - FEM, FIT, FBF, ...
- Sections
 - SPA, SCH, SSE, ...
- Greek Letters
 - $\alpha = \text{'a}$, $\beta = \text{'b}$, $\gamma = \text{'g}$, ...
- Additional Key Bindings
 - $\text{'^} = \text{\Hat{\<++\>}\<++\>}$
 - $\text{'6} = \text{\partial}$
 - $\text{'/} = \text{\frac{\<++\>\{\<++\>\}\<++\>}$

<http://michaelgoerz.net/refcards/vimlatexqrc.pdf>

Custom Macros

- Inside `.vim/after/ftplugin/tex.vim`

```
1  """ vim-latex custom commands:
2  call IMAP('EE*', "\\begin{equation*}\<CR><++>\<CR>\\end{equation*}
3  call IMAP('<<', "\\left\\langle <++> \\right\\rangle", 'tex')
4  call IMAP('<|', "\\bra{<++><++>", 'tex')
5  call IMAP('>|', "\\ket{<++><++>", 'tex')
6  call IMAP('EFR', "\\begin{frame}\<CR>\\frametitle{<++>}\<CR><++>\\
```

Compiling

- Set compilation command (run by \ll and view output with \lv) in .vimrc

```
1 g:Tex_CompiledRule_pdf = 'pdflatex -escape-shell $*'

```

- Compilation order:

```
1 let g:Tex_FormatDependency_pdf = 'dvi,ps,pdf'

```

- Compiling multiple times (e.g. for references):

```
1 let g:Tex_MultipleCompileFormats = 'pdf'

```

- Makefile:

```
1 let g:Tex_UseMakefile = 1

```

Multiple File Latex Projects

- Creating `<main>.tex.latexmain` in the top directory.
- Vim-Latex searches for `*.latexmain` if a sub-tex file is compiled.