Efficient LATEX Editing with Vim

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Vim has lots of advantages over other editors and is useful for C/C++ programming. ("VIM Hacks," 2013)

1 Writing equations quickly and accurately with the **amsmath** package

Some keyboard shortcuts in Latex-Suite: (Goerz, 2013)

- `F5` gives you 8 options.

- Three-letter acronym:
  e.g. Typing `EIT` gives you

  ```
  \begin{itemize}
    \item
  \end{itemize}<++>
  ```

- Math

  - Typing '/ gives you `\frac{}{<++>}<++>`
  - Typing '2 gives you `\sqrt{}<++>`

- Quick jumping to `<++>` by typing `Ctrl+j`

Let's see some real examples.

$$e^{i\pi} + 1 = 0 \tag{1}$$

Equation (1) was discovered by Euler.

$$1 + \int_0^{\frac{\pi}{2}} \sin x \, dx = \sum_{i=0}^{\infty} \left(\frac{1}{2}\right)^i \tag{2}$$

$$= 1 + \frac{1}{2} + \left(\frac{1}{2}\right)^2 + \left(\frac{1}{2}\right)^3 + \cdots \tag{3}$$

A university student wrote equation (2). High school students find (3) easier.

2   Easy citing in APA style with the **biblatex** package

Oualline (2001) thinks that Vim is the best editor. Juan A. Navarro (2013) can cite online information quickly. Doing so on Google scholar is even easier. Doing exercises is good for your health. (Wilmore, Costill, & Kenney, 2004)

References

Goerz, M. (n.d.). Vim Latex-Suite Reference Card. Retrieved August 11, 2013, from `http://www.cheat-sheets.org/saved-copy/vimlatexqrc.pdf`. (Cit. on p. 1)

How can I use BibTEX to cite a web page? (2013). Retrieved August 11, 2013, from `http://tex.stackexchange.com/questions/3587/how-can-i-use-bibtex-to-cite-a-web-page`. (Cit. on p. 2)

Oualline, S. (2001). *Vi IMproved— Vim.* New Riders Publishing. Retrieved from `ftp://ftp.vim.org/pub/vim/doc/book/vimbook-OPL.pdf`. (Cit. on p. 2)

VIM Hacks. (n.d.). Retrieved August 11, 2013, from `http://www.slideshare.net/c9s/vim-hacks`. (Cit. on p. 1)

Wilmore, J. H., Costill, D. L., & Kenney, W. L. (2004). *Physiology of sport and exercise.* Human kinetics USA. (Cit. on p. 2).