AUCTEX Cheatsheet

Configuration

An example configuration with `use-package`:

```
(use-package auctex
  :defer t
  :config
  (setq TeX-auto-save t
        TeX-parse-self t
        reftex-plug-into-AUCTeX t)
  :hook (LaTeX-mode . reftex-mode))
```

Basic editing commands

`C-c C-m` Insert macro

`C-c C-e` Insert environment

`C-c ]`   Close current environment

`C-c C-s` Insert section

`C-c C-j` Insert itemize item

`C-c ~`   Math mode
Use ` to type Greek - *e.g.* `a→ α.

Font commands[1]

`C-c C-f C-i` *italic*

`C-c C-f C-b` **bold**

`C-c C-f C-t` typewriter

`C-c C-f C-t` *emphasis*

`C-c C-f C-d` delete current font

Build commands[2]

`C-c C-c` Run command

`C-c C-a` Build all
Run all commands, until exhausted;
e.g. `bibtex` multiple times.

`C-c C-r` Build region
Compile the text in the active region plus the preamble. Outputs to `_region_.pdf` by default.

`C-c ``   Show build errors
Use `next-error` and `previous-error` to navigate.

Reftex

`C-c =` Table of context

`C-c (` Insert label, from context

`C-c )` Insert reference

`C-c [` Insert citation

`C-c &` Jump to reference

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[1] These commands work with marked region, and inside math mode.
[2] Check out the `Clean` command