

hlatex: L^AT_EX mode commands for GNU Emacs

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Commands:

- Environments: C-c b produces the `\begin{...}` and `\end{...}` commands automatically: type the name of the environment and press C-c b, and that's it. If the environment takes an argument, you may write it after the name: type

```
table[t]{rcl}_
```

(The underscore denotes the cursor). Now press C-c b. This produces

```
\begin{table}[t]{rcl}
-
\end{table}
```

With optional argument (C-u) the environment is instead wrapped around the current region.

The first word on the current line is taken as the name of the environment, the rest are considered arguments to the environment. If the current line is indented, all other lines will be indented by the same amount (including the region between `\begin` and `\end`).

- Math mode commands (for AMSL^AT_EX): C-c e brings up a menu of different math mode environments. You may also choose between the starred and non-starred form of the environment (the non-starred form also produces automatically a `\label{}` command, if it makes sense for that environment). With optional argument (C-u) the current region gets wrapped inside the environment.
- Finding environments: put the cursor on a `\begin{...}` or `\end{...}` and press C-c m to find the `\end{...}` or `\begin{...}` corresponding to that environment (m for “find Matching begin or end”).
- Changing names of environments: put the cursor on a `\begin{...}` or `\end{...}` and press C-c r. The program asks for a new name for that environment. Since this is most useful for math mode environments, you can also rename `\[... \]`. Environment name completion is available (the program knows about AMSL^AT_EX math environments).
- Braces and brackets: the keys M-[and M-] insert a pair of braces `{}` or brackets `[]` and place the cursor between them.

- Text math mode: `M-4` inserts a pair of dollar signs `$$` and places the cursor between them.
- Labels: `C-c l` inserts `\label{}` in the buffer and puts the cursor between the braces. Typing `C-c L` toggles between either inserting `\label{}` or `\mylabel{}` (the latter is useful with the `mylabels.sty` package)

Help

The usual Emacs help commands work. For instance, `C-h a hlatex` (apropos) produces a complete listing of available commands, key bindings, and help texts:

```

hlatex-begin-end      C-c b
  Command: Make an environment, whose name is the
  word on the current line.
hlatex-braces        M-[
  Command: Inserts braces and places the cursor
  between them.
hlatex-brackets      M-]
  Command: Inserts brackets and places the cursor
  between them.
hlatex-equations     C-c e
  Command: Ask for an equation environment to insert
  at the current position.
hlatex-find-begin-end C-c m
  Command: Finds matching \begin{...} or \end{...}.
  Sets mark where started.
hlatex-insert-label-string C-c l
  Command: Inserts the string representing a label
  or mylabel command.
hlatex-math-mode     M-4
  Command: Inserts $$ and places the cursor between
  them.
hlatex-replace-env   C-c r
  Command: Replaces the name of an environment with
  another one
hlatex-toggle-label-string C-c L
  Command: Switches between labels and mylabels.

```

For more detailed help use either `C-h k` (describe key) or `C-h f` (describe function).

Files

The Emacs lisp file `hlatex.el`, this document, and `mylabels.sty` are available from <http://www.math.rutgers.edu/~ojanen/mathware.html>

Please send all bug reports, comments, and suggestions to the author at ojanen@math.rutgers.edu