AUCTEX Reference Card

(for version 11.54)

Conventions Used

Carriage Return or `C-m`	`RET`
Tabular or `C-i`	`TAB`
Linefeed or `C-j`	`LFD`

Shell Interaction

Run a command on the master file	`C-c C-c`
Run a command on the buffer	`C-c C-b`
Run a command on the region	`C-c C-r`
Fix the region	`C-c C-t C-r`
Kill job	`C-c C-k`
Recenter output buffer	`C-c C-l`
Next error in TEX/LATEX session	`C-c ‘`
Toggle debug of wonderful boxes	`C-c C-w`
View output file	`C-c C-v`

Commands you can run on the master file (with `C-c C-c`) or the region (with `C-c C-r`) include the following (starred versions are not available in all modes):

TEX	`*TeX`
LATEX	`*LaTeX`
ConTEXt (once)	`*ConTeXt`
ConTEXt Full	`*ConTeXt Full`
Makeinfo	`*Makeinfo`
Makeinfo with HTML output	`*Makeinfo HTML`
Appropriate previewer	`View`
Print the output	`Print`
BibTEX	`BibTeX`
MakeIndex	`Index`
LaCheck	`Check`
Make (PostScript) File	`File`
Ispell	`Spell`

TEXing options

TEX runs can come in various types, which may be toggled and are indicated in the mode line.

Ω mode	`C-c C-t C-o`
PDF/DVI mode	`C-c C-t C-p`
Stop on errors (Interactive mode)	`C-c C-t C-i`
Use Source Specials for viewer control	`C-c C-t C-s`

Miscellaneous

Read AUCTEX manual	`C-c TAB`
Math Mode	`C-c ~`
Reset Buffer	`C-c C-n`
Reset AUCTEX	`C-u C-c C-n`

Multifile Handling

Save Document	`C-c C-d`
Switch to master file or active buffer	`C-c ^`
Query for a master file	`C-c _`

Command Insertion

Insert Section	`C-c C-s`
Insert LATEX environment	`C-c C-e`
Insert item	`C-c LFD`
Insert item (alias)	`M-RET`
Close LATEX environment	`C-c ]`
Insert TEX macro `\{}`	`C-c C-m`
Insert double brace	`C-c {`
Complete TEX macro	`M-TAB`
Smart “quote”	`"`
Smart “dollar”	`$`

Font Selection

Insert **bold** text	`C-c C-f C-b`
Insert *italics* text	`C-c C-f C-i`
Insert roman text	`C-c C-f C-r`
Insert *emphasized* text	`C-c C-f C-e`
Insert `typewriter` text	`C-c C-f C-t`
Insert *slanted* text	`C-c C-f C-s`
Insert SMALL CAPS text	`C-c C-f C-c`
Delete font	`C-c C-f C-d`
Replace font	`C-u C-c C-f` ⟨key⟩

Source Formatting

Indent current line	`TAB`
Indent next line	`LFD`
Format a paragraph	`M-q`
Format a region	`C-c C-q C-r`
Format a section	`C-c C-q C-s`
Format an environment	`C-c C-q C-e`
Mark an environment	`C-c .`
Mark a section	`C-c *`
Comment or uncomment region	`C-c ;`
Comment or uncomment paragraph	`C-c %`

Source Display

Toggle folding mode	`C-c C-o C-f`
Hide all items in buffer	`C-c C-o C-b`
Hide current macro	`C-c C-o C-m`
Hide current environment	`C-c C-o C-e`
Show all items in buffer permanently	`C-c C-o C-x`
Show current item permanently	`C-c C-o C-c`

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Math Mode

Variables

All math mode commands are under the prefix key specified by LaTeX-math-abbrev-prefix, default is ”‘”.

You can define your own math mode commands by setting the variable LaTeX-math-list before loading LaTeX-math-mode.

Greek Letters

α	`(\alpha)`	`a`	τ	`(\tau)`	`t`
β	`(\beta)`	`b`	υ	`(\upsilon)`	`u`
γ	`(\gamma)`	`g`	ϕ	`(\phi)`	`f`
δ	`(\delta)`	`d`	χ	`(\chi)`	`q`
ϵ	`(\epsilon)`	`e`	ψ	`(\psi)`	`y`
ζ	`(\zeta)`	`z`	ω	`(\omega)`	`w`
η	`(\eta)`	`h`	Δ	`(\Delta)`	`D`
θ	`(\theta)`	`j`	Γ	`(\Gamma)`	`G`
κ	`(\kappa)`	`k`	Θ	`(\Theta)`	`Q`
λ	`(\lambda)`	`l`	Λ	`(\Lambda)`	`L`
μ	`(\mu)`	`m`	Π	`(\Pi)`	`P`
ν	`(\nu)`	`n`	Σ	`(\Sigma)`	`S`
ξ	`(\xi)`	`x`	Υ	`(\Upsilon)`	`U`
π	`(\pi)`	`p`	Φ	`(\Phi)`	`F`
ρ	`(\rho)`	`r`	Ψ	`(\Psi)`	`Y`
σ	`(\sigma)`	`s`	Ω	`(\Omega)`	`W`

Symbols

$\rightarrow$	`(\rightarrow)`	`C-f`	$\supseteq$	`(\supseteq)`	`]`
$\leftarrow$	`(\leftarrow)`	`C-b`	$\emptyset$	`(\emptyset)`	`0`
$\uparrow$	`(\uparrow)`	`C-p`	$\setminus$	`(\setminus)`	`\`
$\downarrow$	`(\downarrow)`	`C-n`	$\cup$	`(\cup)`	`+`
$\leq$	`(\leq)`	`<`	$\cap$	`(\cap)`	`-`
$\geq$	`(\geq)`	`>`	$\langle$	`(\langle)`	`(`
$\tilde{x}$	`(\tilde)`	`~`	$\rangle$	`(\rangle)`	`)`
∇	`(\nabla)`	`N`	exp	`(\exp)`	`C-e`
∞	`(\infty)`	`I`	sin	`(\sin)`	`C-s`
$\forall$	`(\forall)`	`A`	cos	`(\cos)`	`C-c`
$\exists$	`(\exists)`	`E`	sup	`(\sup)`	`C-^`
$\not$	`(\not)`	`/`	inf	`(\inf)`	`C-_`
$\in$	`(\in)`	`i`	det	`(\det)`	`C-d`
$\times$	`(\times)`	`*`	lim	`(\lim)`	`C-l`
$\cdot$	`(\cdot)`	`.`	tan	`(\tan)`	`C-t`
$\subset$	`(\subset)`	`{`	$\hat{x}$	`(\hat)`	`^`
$\supset$	`(\supset)`	`}`	$\vee$	`(\vee)`	`|`
$\subseteq$	`(\subseteq)`	`[`	$\wedge$	`(\wedge)`	`&`

Miscellaneous

cal letters	`c` ⟨letter⟩