AUCTeX Reference Card

(for version 11.51)

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)	/	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⟩