

# 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 <b>bold</b> text	C-c C-f C-b
Insert <i>italics</i> text	C-c C-f C-i
Insert roman text	C-c C-f C-r
Insert <i>emphasized</i> text	C-c C-f C-e
Insert <b>typewriter</b> text	C-c C-f C-t
Insert <i>slanted</i> 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)	C-f	⊇	(\supseteq)	]
←	(\leftarrow)	C-b	∅	(\emptyset)	0
↑	(\uparrow)	C-p	\	(\setminus)	\
↓	(\downarrow)	C-n	U	(\cup)	+
≤	(\leq)	<	∩	(\cap)	-
≥	(\geq)	>	⟨	(\langle)	(
˜	(\tilde)	~	⟩	(\rangle)	)
∇	(\nabla)	N	exp	(\exp)	C-e
∞	(\infty)	I	sin	(\sin)	C-s
∀	(\forall)	A	cos	(\cos)	C-c
∃	(\exists)	E	sup	(\sup)	C-^
/	(\not)	/	inf	(\inf)	C-_
∈	(\in)	i	det	(\det)	C-d
×	(\times)	*	lim	(\lim)	C-l
·	(\cdot)	.	tan	(\tan)	C-t
⊂	(\subset)	{	ˆ	(\hat)	^
⊃	(\supset)	}	∨	(\vee)	
⊆	(\subseteq)	[	∧	(\wedge)	&

## Miscellaneous

cal letters	c {letter}
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