

# AUCTeX Reference Card

(for version 11.50)

## 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.

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

## 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
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 %

## Multifile Handling

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

## Miscellaneous

Show documentation	C-c TAB
Math Mode	C-c ~
Reset Buffer	C-c C-n
Reset AUCTeX	C-u C-c C-n

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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

$\alpha$	(alpha)	a	$\tau$	(tau)	t
$\beta$	(beta)	b	$\upsilon$	(upsilon)	u
$\gamma$	(gamma)	g	$\phi$	(phi)	f
$\delta$	(delta)	d	$\chi$	(chi)	q
$\epsilon$	(epsilon)	e	$\psi$	(psi)	y
$\zeta$	(zeta)	z	$\omega$	(omega)	w
$\eta$	(eta)	h	$\Delta$	(Delta)	D
$\theta$	(theta)	j	$\Gamma$	(Gamma)	G
$\kappa$	(kappa)	k	$\Theta$	(Theta)	Q
$\lambda$	(lambda)	l	$\Lambda$	(Lambda)	L
$\mu$	(mu)	m	$\Pi$	(Pi)	P
$\nu$	(nu)	n	$\Sigma$	(Sigma)	S
$\xi$	(xi)	x	$\Upsilon$	(Upsilon)	U
$\pi$	(pi)	p	$\Phi$	(Phi)	F
$\rho$	(rho)	r	$\Psi$	(Psi)	Y
$\sigma$	(sigma)	s	$\Omega$	(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)	)
$\nabla$	(nabla)	N	exp	(exp)	C-e
$\infty$	(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