

# AUCTeX Reference Card

(for version 11.55)

## 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 all items in region	C-c C-o C-r
Hide all items in paragraph	C-c C-o C-p
Hide current macro	C-c C-o C-m
Hide current environment	C-c C-o C-e
Show all items in buffer	C-c C-o b
Show all items in region	C-c C-o r
Show all items in paragraph	C-c C-o p
Show current item	C-c C-o i
Hide or show current item	C-c C-o C-o

# 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

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

## Miscellaneous

cal letters

c ⟨letter⟩