# AUCTEX Reference Card

(for version 11.88)

### Conventions Used

Carriage Return or C-m	RET
Tabular or C-i	TAB
Linefeed or C-i	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-1
Next error in TEX/LATEX session	C-c '
Previous error in TEX/IATEX session	M-g p
Toggle debug of bad boxes	C-c C-t C-b
Toggle debug of warnings	C-c C-t 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):

$T_EX$	*TeX
IAT <sub>E</sub> X	*LaTeX
ConT <sub>E</sub> Xt (once)	*ConTeXt
ConTEXt Full	*ConTeXt Full
Makeinfo	*Makeinfo
Makeinfo with HTML output	*Makeinfo HTML
Appropriate previewer	View
Print the output	Print
$\mathrm{BibT}_{\mathrm{E}}\mathrm{X}$	BibTeX
Biber	Biber
MakeIndex	Index
LaCheck	Check
Make (PostScript) File	File
Ispell	Spell
Delete intermediate files	Clean
Delete all output files	Clean All

## 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
I/O correlation (S. Specials, SyncTfX)	C-c C-t C-s

### Miscellaneous

Read AUCTEX manual	C-c TAB
Find documentation	C-c ?
Math Mode	C-c ~
Reset Buffer	C-c C-n
Reset AUCT <sub>F</sub> X	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	С-с С-е
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 T <sub>E</sub> X macro	M-TAB
Smart "quote"	"
Smart "dollar"	\$

#### Font Selection

Insert <b>bold</b> 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 $\langle \text{key} \rangle$

## **Source Formatting**

Indent current line	TAB
Indent next line	LFD
Format a paragraph Format a region Format a section Format an environment	M-q C-c C-q C-r C-c C-q C-s 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 %

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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	v	(\upsilon)	u
$\beta$	(\beta)	b	$\phi$	(\phi)	f
$\stackrel{\gamma}{\delta}$	$(\gamma)$	g	$\chi$	$(\c)$	q
$\delta$	$(\delta)$	d	$\psi$	( <b>\psi</b> )	У
$\epsilon$	$(\ensuremath{\verb{\color}}$	е	$\omega$	$(\omega)$	W
ζ	$(\forall zeta)$	z	$\Delta$	$(\Delta)$	D
$\overset{\eta}{ heta}$	$(\ensuremath{\texttt{land}}$	h	Γ	$(\Gamma)$	G
$\theta$	(\theta)	j	$\Theta$	$(\Theta)$	J
$\kappa$	(\kappa)	k	$\Lambda$	$(\lambda)$	L
$\lambda$	$(\lambda)$	1	Ξ	(\Xi)	Х
$\mu$	(\mu)	m	П	(\Pi)	P
$\nu$	(\nu)	n	$\Sigma$	$(\Sigma)$	S
ξ	(\xi)	x	Υ	(\Upsilon)	U
$\tilde{\pi}$	(\pi)	р	Φ	(\Phi)	F
$\rho$	(\rho)	r	$\Psi$	(\Psi)	Y
$\sigma$	$(\sigma)$	s	Ω	(\Omega)	W
au	(\tau)	t			

## Symbols

$\rightarrow$	(\rightarrow)	C-f	$\subseteq$	$(\subseteq)$	[
$\leftarrow$	(\leftarrow)	C-b	$\mathop{\supseteq}\limits_{\emptyset}$	(\supseteq)	]
$\uparrow$	(\uparrow)	C-p	Ø	(\emptyset)	0
$\downarrow$	(\downarrow)	C-n	\	(\setminus)	\
$\leq$	$(\label{leq})$	<	Ú	(\cup)	+
$\leq \\ \geq \\ \tilde{x}$	(\geq)	>	$\cap$	(\cap)	-
	(\tilde)	~	<	$(\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ $	(
$\hat{x}$	$(\hat)$	^	>	$(\n$	)
$\nabla$	$(\nabla)$	N	exp	(\exp)	С-е
$\infty$	$(\infty)$	I	$\sin$	$(\sin)$	C-s
$\forall$	$(\forall)$	A	cos	(\cos)	C-c
3	$(\texttt{\ensuremath{\c vists}})$	E	$\sup$	$(\sup)$	C-^
/	$(\not)$	/	$\inf$	$(\inf)$	C
$\in$	$(\in)$	i	$\det$	$(\det)$	C-d
$\times$	$(\texttt{\times})$	*	$\lim$	$(\lim)$	C-1
	$(\cdot)$		$\tan$	$(\tan)$	C-t
:	$(\colon)$	:	$\vee$	(\vee)	- 1
$\subset$	$(\subset)$	{	$\wedge$	(\wedge)	&
$\supset$	(\supset)	}			

#### Miscellaneous

cal letters c \langle letter\