

Lii STEM Keyboard Shortcuts

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Lii STEM (<https://liistem.cn/>) is a WYSIWYG \LaTeX -style editor. All \LaTeX command mentioned in this cheatsheet works in Lii STEM. Therefore, the user can choose to use shortcuts or \LaTeX commands.

We distinguish the capital and noncapital letters in shortcut; for example, J and j are different. You can use $\text{\Shift} + J$ to replace J where \Shift represents the Shift key.

Windows  GNU/Linux 	Mac 	Equivalent in \LaTeX 
Environmental Shortcuts		
$\text{Space} + \text{Tab}$	$\text{Space} + \text{Tab}$	Non-breaking space (\nbsp or \sim)
$\text{ctrl} + \text{T}$	$\text{ctrl} + \text{T}$	\indent
$\text{ctrl} + \text{l}$	$\text{ctrl} + \text{l}$	\raggedleft
$\text{ctrl} + \text{e}$	$\text{ctrl} + \text{e}$	\centering
$\text{ctrl} + \text{r}$	$\text{ctrl} + \text{r}$	\raggedright
$\text{Alt} + \text{1}$	$\text{option} + \text{1}$	\section
$\text{Alt} + \text{2}$	$\text{option} + \text{2}$	\subsection
$\text{Alt} + \text{3}$	$\text{option} + \text{3}$	\subsubsection
$\text{Alt} + \text{4}$	$\text{option} + \text{4}$	\paragraph
$+ + \text{Tab}$	$+ + \text{Tab}$	\itemize
$1 + . + \text{Tab}$	$1 + . + \text{Tab}$	\enumerate
$\$$	$\$$	inline math mode
$\text{Alt} + \$$	$\text{option} + \$$	single-line math mode
$\text{Alt} + \text{\Shift} + 7$	$\text{option} + \text{\Shift} + 7$	multi-line math mode, do not recommend, use \align instead.
$\text{Ctrl} + \#$	$\text{ctrl} + \#$	add equation number
$\text{Alt} + \text{arrow}$	$\text{option} + \text{arrow}$	add new row/column in matrix/table
$\text{ctrl} + \text{shift} + f$	$\text{ctrl} + \text{shift} + f$	add footnote
$\text{ctrl} + n$	$\text{ctrl} + n$	add new script
$\text{ctrl} + p$	$\text{ctrl} + p$	export to PDF
Common Constructs		

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Windows  GNU/Linux 	Mac 	Equivalent in \LaTeX 
$x + \wedge + 2$	$x + \wedge + 2$	$x^2 (\text{\wedge}^2)$
$x + _ + [i,j]$	$x + _ + [i,j]$	$x_{i,j} (x_{\{i,j\}})$
$\text{Alt} + s + 2$	$\text{option} + s + 2$	$\sqrt{2} (\text{\sqrt}{2})$
$\text{Alt} + s + \text{Tab} + 3 + \leftarrow + \leftarrow + n$	$\text{option} + s + \text{Tab} + 3 + \leftarrow + \leftarrow + n$	$\sqrt[3]{n} (\text{\sqrt}[3]{n})$
$\text{Alt} + f$	$\text{option} + f$	$\frac{2}{3} (\text{\frac}{2}{3})$
Font		
$\text{ctrl} + u + A$	$\text{ctrl} + u + A$	underline A ($\text{\underline}{A}$)
$\text{ctrl} + i + A$	$\text{ctrl} + i + A$	italic A ($\text{\mathit}{A}$)
$\text{ctrl} + b + A$	$\text{ctrl} + b + A$	bold A ($\text{\mathbf}{A}$)
$F7 + A$	$F7 + A$	Calligraphic A ($\text{\mathcal}{A}$)
$F8 + A$	$F8 + A$	Gothic A ($\text{\mathfrak}{A}$)
Greek Letters		
$a + \text{Tab}$	$a + \text{Tab}$	$\alpha (\text{\alpha})$
$b + \text{Tab}$	$b + \text{Tab}$	$\beta (\text{\beta})$
$g + \text{Tab}$, $G + \text{Tab}$	$g + \text{Tab}$, $G + \text{Tab}$	$\gamma (\text{\gamma}), \Gamma (\text{\Gamma})$
$d + \text{Tab}$, $D + \text{Tab}$	$d + \text{Tab}$, $D + \text{Tab}$	$\delta (\text{\delta}), \Delta (\text{\Delta})$
$e + \text{Tab} + \text{Tab} + \text{Tab}$	$e + \text{Tab} + \text{Tab} + \text{Tab}$	$\epsilon (\text{\epsilon})$
$e + \text{Tab}$	$e + \text{Tab}$	$\varepsilon (\text{\varepsilon})$
$z + \text{Tab}$	$z + \text{Tab}$	$\zeta (\text{\zeta})$
$h + \text{Tab}$	$h + \text{Tab}$	$\eta (\text{\eta})$
$j + \text{Tab}$, $J + \text{Tab}$	$j + \text{Tab}$, $J + \text{Tab}$	$\theta (\text{\theta}), \Theta (\text{\Theta})$
$j + \text{Tab} + \text{Tab} + \text{Tab}$	$j + \text{Tab} + \text{Tab} + \text{Tab}$	$\vartheta (\text{\vartheta})$
$i + \text{Tab}$	$i + \text{Tab}$	$\iota (\text{\iota})$
$k + \text{Tab}$	$k + \text{Tab}$	$\kappa (\text{\kappa})$
$l + \text{Tab}$, $L + \text{Tab}$	$l + \text{Tab}$, $L + \text{Tab}$	$\lambda (\text{\lambda}), \Lambda (\text{\Lambda})$
$m + \text{Tab}$	$m + \text{Tab}$	$\mu (\text{\mu})$
$n + \text{Tab}$	$n + \text{Tab}$	$\nu (\text{\nu})$

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Windows	Mac	Equivalent in \LaTeX
		$\xi (\backslash xi), \Xi (\backslash Xi)$
		$\pi (\backslash pi), \Pi (\backslash Pi)$
		$\varpi (\backslash varpi)$
		$\rho (\backslash rho)$
		$\varrho (\backslash varrho)$
		$\sigma (\backslash sigma), \Sigma (\backslash Sigma)$
		$\varsigma (\backslash varsigma)$
		$\tau (\backslash tau)$
		$\upsilon (\backslash upsilon), \Upsilon (\backslash Upsilon)$
		$\phi (\backslash phi), \Phi (\backslash Phi)$
		$\varphi (\backslash varphi)$
		$\chi (\$\\chi \$)$
		$\psi (\backslash psi), \Psi (\backslash Psi)$
		$\omega (\backslash omega), \Omega (\backslash Omega)$
Sets and Logic		
		$\cup (\backslash cup)$
		$\cap (\backslash cap)$
		$\subset (\backslash subset)$
		$\supset (\backslash supset)$
		$\in (\backslash in)$
		$\ni (\backslash ni)$
		$\notin (\backslash notin)$
		$\mathbb{R} (\backslash mathbb{R})$
		$\mathbb{Z} (\backslash mathbb{Z})$
		$\mathbb{Q} (\backslash mathbb{Q})$
		$\mathbb{N} (\backslash mathbb{N})$

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Windows	Mac	Equivalent in \LaTeX
		$\mathbb{C} (\backslash mathbb{C})$
		$\emptyset (\backslash varnothing)$
		$\aleph (\backslash aleph)$
		$\equiv (\backslash equiv)$
		$\forall (\backslash forall)$
		$\exists (\backslash exists)$
		$\neg (\backslash neg)$
		$\vee (\backslash vee)$
		$\wedge (\backslash wedge)$
		$\vdash (\backslash vdash)$
		$\Rightarrow (\backslash Rightarrow)$
		$\Rightarrow (\backslash nRightarrow)$
Decorations		
		$\cdot (\backslash dot{})$
		$\cdots (\backslash ddot{})$
		$\hat{} (\backslash hat{})$
		$\tilde{} (\backslash tilde{})$
		$\bar{} (\backslash bar{})$
Dots		
		$\ldots (\backslash ldots)$
		$\cdots (\backslash cdots)$
		$\vdots (\backslash vdots)$
		$\ddots (\backslash dddots)$
Other Symbols		
		$\leq (\backslash leq)$
		$\geq (\backslash geq)$
		$\neq (\backslash neq)$

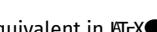
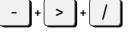
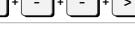
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Windows GNU/Linux	Mac	Equivalent in \LaTeX
< + <	< + <	$\ll (\backslash ll)$
> + >	> + >	$\gg (\backslash gg)$
~ + ~	~ + ~	$\approx (\backslash approx)$
= + Tab	= + Tab	$\asymp (\backslash asymp)$
< + Tab + Tab + Tab	< + Tab + Tab + Tab	$\prec (\backslash prec)$
< + Tab + Tab + Tab + = + Tab	< + Tab + Tab + Tab + = + Tab	$\preceq (\backslash preceq)$
> + Tab + Tab + Tab	> + Tab + Tab + Tab	$\succ (\backslash succ)$
> + Tab + Tab + Tab + = + Tab	> + Tab + Tab + Tab + = + Tab	$\succeq (\backslash succq)$
@ + @ + Tab + Tab	@ + @ + Tab + Tab	$\propto (\backslash propto)$
. + =	. + =	$\doteq (\backslash doteq)$
@ + Tab + Tab + Tab + Tab	@ + Tab + Tab + Tab + Tab	$\angle (\backslash angle)$
l + Tab + Tab + Tab	l + Tab + Tab + Tab	$\ell (\backslash ell)$
Up + F5 + B	Up + F5 + B	$\parallel (\backslash parallel)$
~ + =	~ + =	$\cong (\backslash cong)$
~ + = + /	~ + = + /	$\not\cong (\backslash ncong)$
~	~	$\sim (\backslash sim)$
~ + -	~ + -	$\simeq (\backslash simeq)$
~ + /	~ + /	$\nsim (\backslash nsim)$
@ + +	@ + +	$\oplus (\backslash oplus)$
@ + -	@ + -	$\ominus (\backslash ominus)$
@ + .	@ + .	$\odot (\backslash odot)$
@ + *	@ + *	$\otimes (\backslash otimes)$
@ + /	@ + /	$\oslash (\backslash oslash)$
/ + - + Tab + Tab + Tab	/ + - + Tab + Tab + Tab	$\upharpoonright (\backslash upharpoonright)$
* + Tab + Tab + Tab	* + Tab + Tab + Tab	$\cdot (\backslash cdot)$
+ + -	+ + -	$\pm (\backslash pm)$
- + +	- + +	$\mp (\backslash mp)$
* + Tab	* + Tab	$\times (\backslash times)$

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Windows GNU/Linux	Mac	Equivalent in \LaTeX
/ + Tab + Tab + Tab	/ + Tab + Tab + Tab	$\div (\backslash div)$
* + Tab + Tab	* + Tab + Tab	$\ast (\backslash ast)$
d + Tab + Tab + Tab	d + Tab + Tab + Tab	$\partial (\backslash partial)$
V + Tab + Tab	V + Tab + Tab	$\nabla (\backslash nabla)$
@	@	$\circ (\backslash circ)$
* + Tab + Tab + Tab + Tab	* + Tab + Tab + Tab + Tab	$\star (\backslash star)$
i + Tab + Tab + Tab	i + Tab + Tab + Tab	$i (\backslash imath)$
j + Tab + Tab	j + Tab + Tab	$j (\backslash jmath)$
B + Tab + Tab + Tab	B + Tab + Tab + Tab	$\beth (\backslash beth)$
G + Tab + Tab	G + Tab + Tab	$\gimel (\backslash gimel)$
D + Tab + Tab + Tab	D + Tab + Tab + Tab	$\daleth (\backslash daleth)$
R + E	R + E	$\Re (\backslash Re)$
W + Tab + Tab	W + Tab + Tab	$\mho (\backslash mho)$
P + Tab + Tab	P + Tab + Tab	$\wp (\backslash wp)$
@ + @	@ + @	$\infty (\backslash infinity)$
T + Tab + Tab	T + Tab + Tab	$\top (\backslash top)$
T + Tab + Tab + Tab	T + Tab + Tab + Tab	$\bot (\backslash bot)$
< + > + Tab + Tab + Tab	< + > + Tab + Tab + Tab	$\clubsuit (\backslash clubsuit)$
< + > + Tab	< + > + Tab	$\diamondsuit (\backslash diamondsuit)$
< + > + Tab + Tab	< + > + Tab + Tab	$\heartsuit (\backslash heartsuit)$
< + > + Tab + Tab + Tab	< + > + Tab + Tab + Tab	$\spadesuit (\backslash spadesuit)$
b + Tab + Tab	b + Tab + Tab	$\flat (\backslash flat)$
# + Tab + Tab	# + Tab + Tab	$\natural (\backslash natural)$
# + Tab	# + Tab	$\sharp (\backslash sharp)$
@ + = + Tab	@ + = + Tab	$\triangleq (\backslash triangleq)$
+ + Tab + Tab	+ + Tab + Tab	$\dagger (\backslash dagger)$
Variable sized operators		
Up + F5 + I	Up + F5 + I	$\int (\backslash int)$

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Windows 	Mac 	Equivalent in 
 + F5 + I + I	 + F5 + I + I	$\iint (\backslash iint)$
 + F5 + O	 + F5 + O	$\oint (\backslash oint)$
 + F5 + U	 + F5 + U	$\bigcup (\backslash bigcup)$
 + F5 + N	 + F5 + N	$\bigcap (\backslash bigcap)$
Arrow		
 + >	 + >	$\rightarrow (\backslash rightarrow)$
 + > + /	 + > + /	$\rightarrowtail (\backslash nrightarrow)$
 + - + >	 + - + >	$\longrightarrow (\backslash longrightarrow)$
 + >	 + >	$\Rightarrow (\backslash Rightarrow)$
 + > + /	 + > + /	$\Rightarrowtail (\backslash nRightarrow)$
 + = + >	 + = + >	$\Longrightarrow (\backslash Longrightarrow)$
 + >	 + >	$\rightsquigarrow (\backslash leadsto)$
 + - + >	 + - + >	$\mapsto (\backslash mapsto)$
 + - + - + >	 + - + - + >	$\longmapsto (\backslash longmapsto)$
 + -	 + -	$\leftarrow (\backslash leftarrow)$
 + - + >	 + - + >	$\leftrightharpoonup (\backslash leftrightarrow)$
 + - + Tab	 + - + Tab	$\downarrow (\backslash uparrow)$
 + - + Tab + Tab	 + - + Tab + Tab	$\downarrow (\backslash downarrow)$
 + - + > + Tab	 + - + > + Tab	$\Downarrow (\backslash updownarrow)$
Fences		
 + Tab + Tab + Tab + Tab + Tab + Tab	 + Tab + Tab + Tab + Tab + Tab + Tab	$\langle \rangle (\backslash langle \backslash rangle)$
 + .	 + .	$\lfloor \rfloor (\backslash lfloor \backslash rfloor)$
 + '	 + '	$\lceil \rceil (\backslash lceil \backslash rceil)$
 +	 +	$\parallel (\backslash)$