

TeX Reference Card

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Greek Letters

α \alpha	ι \iotaota	ϱ \varrhorho
β \betaeta	κ \kappaappa	σ \sigmaigma
γ \gammaamma	λ \lambdabla	ς \varvarsigmaigma
δ \deltaelta	μ \muu	τ \tauu
ϵ \epsilonpsilon	ν \nuu	υ \upsilonpsilon
ε \varepsilonpsilon	ξ \xii	ϕ \phii
ζ \zetaeta	o o	φ \varphii
η \etaeta	π \pii	χ \chihi
θ \thetaeta	ϖ \varpii	ψ \psii
ϑ \varthetaeta	ρ \rhoho	ω \omegaa
Γ \Gammaamma	Ξ \Xii	Φ \Phii
Δ \Deltaelta	Π \Pi i	Ψ \Psi i
Θ \Theta eta	Σ \Sigma i	Ω \Omega i
Λ \Lambdabla	Υ \Upsilon i	

Accents

\grave{e} \{e}	\acute{e} \{e}	\hat{e} \{e}
\ddot{e} \{e}	\tilde{e} \{e}	\dot{e} \{e}
\check{e} \{e}	\breve{e} \{e}	\mathring{e} \{e}
e \{e}	e \{e}	e \{e}

Accents in math mode

\hat{a} \hat{a}	\check{a} \check{a}	\tilde{a} \tilde{a}
\acute{a} \acute{a}	\grave{a} \grave{a}	\breve{a} \breve{a}
\vec{a} \vec{a}	\bar{a} \bar{a}	\ddot{a} \ddot{a}
\dot{a} \dot{a}		

Other Symbols

\aleph \aleph	\prime \prime	\forall \forall
\hbar \hbar	\emptyset \emptyset	\exists \exists
\imath \imath	∇ \nabla	\neg \neg
\jmath \jmath	\surd \surd	\flat \flat
ℓ \ell	\top \top	\natural \natural
\wp \wp	\perp \perp	\sharp \sharp
\Re \Re	\parallel \parallel	\clubsuit \clubsuit
\Im \Im	\angle \angle	\diamondsuit \diamondsuit
∂ \partial	\triangle \triangle	\heartsuit \heartsuit
∞ \infty	\backslash \backslash	\spadesuit \spadesuit

more on the next page

Operators

\sum \sum	\int \int	\oint \oint
\prod \prod	\coprod \coprod	

Binary Operators

\pm \pm	\cap \cap	\vee \vee
\mp \mp	\cup \cup	\wedge \wedge
\setminus \setminus	\oplus \oplus	\otimes \otimes
\cdot \cdot	\sqcap \sqcap	\ominus \ominus
\times \times	\sqcup \sqcup	\otimes \otimes
$*$ \ast	\triangleleft \triangleleft	\oslash \oslash
\star \star	\triangleright \triangleright	\odot \odot
\diamond \diamond	\wr \wr	\dagger \dagger
\circ \circ	\bigcirc \bigcirc	\ddagger \ddagger
\bullet \bullet	\triangleup \triangleup	\amalg \amalg
\div \div	\triangledown \triangledown	

Relations

\leq \leq	\geq \geq	\equiv \equiv
\prec \prec	\succ \succ	\sim \sim
\preceq \preceq	\succeq \succeq	\simeq \simeq
\ll \ll	\gg \gg	\asymp \asymp
\subset \subset	\supset \supset	\approx \approx
\subseteq \subseteq	\supseteq \supseteq	\cong \cong
\sqsubseteq \sqsubseteq	\sqsupseteq \sqsupseteq	\bowtie \bowtie
\in \in	\ni \ni	\propto \propto
\vdash \vdash	\dashv \dashv	\models \models
\smile \smile	\mid \mid	\doteq \doteq
\frown \frown	\parallel \parallel	\perp \perp
$\not<$ \not<	$\not>$ \not>	\neq \neq
$\not\leq$ \not\leq	$\not\geq$ \not\geq	$\not\equiv$ \not\equiv
$\not\prec$ \not\prec	$\not\succ$ \not\succ	$\not\sim$ \not\sim
$\not\preceq$ \not\preceq	$\not\succeq$ \not\succeq	$\not\simeq$ \not\simeq
$\not\subset$ \not\subset	$\not\supset$ \not\supset	$\not\approx$ \not\approx
$\not\subseteq$ \not\subseteq	$\not\supseteq$ \not\supseteq	$\not\cong$ \not\cong
$\not\sqsubseteq$ \not\sqsubseteq	$\not\sqsupseteq$ \not\sqsupseteq	$\not\asymp$ \not\asymp

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Arrows

\leftarrow	<code>\leftarrow</code>	\longleftarrow	<code>\longleftarrow</code>	\uparrow	<code>\uparrow</code>
\Leftarrow	<code>\Leftarrow</code>	\Lleftarrow	<code>\Lleftarrow</code>	\Uparrow	<code>\Uparrow</code>
\rightarrow	<code>\rightarrow</code>	\longrightarrow	<code>\longrightarrow</code>	\downarrow	<code>\downarrow</code>
\Rightarrow	<code>\Rightarrow</code>	\Longrightarrow	<code>\Longrightarrow</code>	\Downarrow	<code>\Downarrow</code>
\leftrightarrow	<code>\leftrightarrow</code>	\longleftrightarrow	<code>\longleftrightarrow</code>	\updownarrow	<code>\updownarrow</code>
\Leftrightarrow	<code>\Leftrightarrow</code>	\Leftrightarrow	<code>\Leftrightarrow</code>	\Updownarrow	<code>\Updownarrow</code>
\mapsto	<code>\mapsto</code>	\longmapsto	<code>\longmapsto</code>	\nearrow	<code>\nearrow</code>
\hookrightarrow	<code>\hookrightarrow</code>	\hookrightarrow	<code>\hookrightarrow</code>	\searrow	<code>\searrow</code>
\lhookrightarrow	<code>\lhookrightarrow</code>	\rhookrightarrow	<code>\rhookrightarrow</code>	\swarrow	<code>\swarrow</code>
\leftharpoonup	<code>\leftharpoonup</code>	\rightharpoonup	<code>\rightharpoonup</code>	\nwarrow	<code>\nwarrow</code>
\leftharpoondown	<code>\leftharpoondown</code>	\rightharpoondown	<code>\rightharpoondown</code>		
\rightleftharpoons	<code>\rightleftharpoons</code>				

Brackets

$[$	<code>\lbrack</code>	\lfloor	<code>\lfloor</code>	\lceil	<code>\lceil</code>
$\{$	<code>\lbrace</code>	\langle	<code>\langle</code>		
\llbracket	<code>\lbrack\!\lbrack</code>	$\langle\langle$	<code>\langle\!\langle</code>	$\langle\langle$	<code>\langle\!\langle</code>
\rrbracket	<code>\rbrack</code>	\rfloor	<code>\rfloor</code>	\rceil	<code>\rceil</code>
$\}$	<code>\rbrace</code>	\rangle	<code>\rangle</code>		

Functions

<code>\arccos</code>	<code>\exp</code>	<code>\Pr</code>
<code>\arcsin</code>	<code>\gcd</code>	<code>\sec</code>
<code>\arctan</code>	<code>\hom</code>	<code>\sin</code>
<code>\arg</code>	<code>\inf</code>	<code>\sinh</code>
<code>\cos</code>	<code>\ker</code>	<code>\sup</code>
<code>\csc</code>	<code>\lg</code>	<code>\tan</code>
<code>\cosh</code>	<code>\lim</code>	<code>\tanh</code>
<code>\cot</code>	<code>\liminf</code>	
<code>\coth</code>	<code>\limsup</code>	
<code>\deg</code>	<code>\ln</code>	
<code>\dot</code>	<code>\log</code>	
<code>\det</code>	<code>\max</code>	
<code>\dim</code>	<code>\min</code>	