

Greek Letters

$\alpha \theta \omicron \tau$

$\$ \backslash alpha \$ \$ \backslash theta \$ \$ o \$ \$ \backslash tau \$$

$\beta \vartheta \pi \upsilon$

$\$ \backslash beta \$ \$ \backslash vartheta \$ \$ \backslash pi \$ \$ \backslash upsilon \$$

$\gamma \gamma \varpi \phi$

$\$ \backslash gamma \$ \$ \backslash gamma \$ \$ \backslash varpi \$ \$ \backslash phi \$$

$\delta \kappa \rho \varphi$

$\$ \backslash delta \$ \$ \backslash kappa \$ \$ \backslash rho \$ \$ \backslash varphi \$$

$\epsilon \lambda \varrho \chi$

$\$ \backslash epsilon \$ \$ \backslash lambda \$ \$ \backslash varrho \$ \$ \backslash chi \$$

$\varepsilon \mu \sigma \psi$

$\$ \backslash varepsilon \$ \$ \backslash mu \$ \$ \backslash sigma \$ \$ \backslash psi \$$

$\zeta \nu \varsigma \omega$

$\$ \backslash zeta \$ \$ \backslash nu \$ \$ \backslash varsigma \$ \$ \backslash omega \$$

$\eta \xi \Gamma \Lambda$

$\$ \backslash eta \$ \$ \backslash xi \$ \$ \backslash Gamma \$ \$ \backslash Lambda \$$

$\Sigma \Psi \Delta \Xi$

$\$ \backslash Sigma \$ \$ \backslash Psi \$ \$ \backslash Delta \$ \$ \backslash Xi \$$

$\Upsilon \Omega \Theta \Pi$

$\$ \backslash Upsilon \$ \$ \backslash Omega \$ \$ \backslash Theta \$ \$ \backslash Pi \$$

Φ

$\$ \backslash Phi \$$

Binary Operation Symbols

$\pm \cap \diamond \oplus$

$\backslash pm$ $\backslash cap$ $\backslash diamond$ $\backslash oplus$$$$$

$\mp \cup \triangle \ominus$

$\backslash mp$ $\backslash cup$ $\backslash bigtriangleup$ $\backslash ominus$$$$$

$\times \uplus \nabla \otimes$

$\backslash times$ $\backslash uplus$ $\backslash bigtriangledown$ $\backslash otimes$$$$$

$\div \sqcap \triangleleft \oslash$

$\backslash div$ $\backslash sqcap$ $\backslash triangleleft$ $\backslash oslash$$$$$

$* \sqcup \triangleright \odot$

$\backslash ast$ $\backslash sqcup$ $\backslash triangleright$ $\backslash odot$$$$$

$\star \vee \triangleleft \bigcirc$

$\backslash star$ $\backslash vee$ $\backslash lhd$ $\backslash bigcirc$$$$$

$\circ \wedge \triangleright \dagger$

$\backslash circ$ $\backslash wedge$ $\backslash rhd$ $\backslash dagger$$$$$

$\bullet \setminus \trianglelefteq \ddagger$

$\backslash bullet$ $\backslash setminus$ $\backslash untrianglelefteq$ $\backslash ddagger$$$$$

$\cdot \wr \rhd \amalg$

$\backslash cdot$ $\backslash wr$ $\backslash unrhd$ $\backslash amalg$$$$$

$+ -$

$\$+ \$ - \$$

Relation Symbols

 $\leq \geq \equiv \models$
 $\backslash leq$ \backslash geq$ \backslash equiv$ \backslash models$$
 $\prec \succ \sim \perp$
 $\backslash prec$ \backslash succ$ \backslash sim$ \backslash perp$$
 $\preceq \succeq \simeq \mid$
 $\backslash preceq$ \backslash succeq$ \backslash simeq$ \backslash mid$$
 $\ll \gg \asymp \parallel$
 $\backslash lll$ \backslash gg$ \backslash asymp$ \backslash parallel$$
 $\subset \supset \approx \bowtie$
 $\backslash subset$ \backslash supset$ \backslash approx$ \backslash bowtie$$
 $\subseteq \supseteq \cong \Join$
 $\backslash subseteq$ \backslash supseteq$ \backslash cong$ \backslash Join$$
 $\sqsubset \sqsupset \neq \smile$
 $\backslash sqsubset$ \backslash sqsupset$ \backslash neq$ \backslash smile$$
 $\sqsubseteq \sqsupseteq \doteq \frown$
 $\backslash sqsubseteq$ \backslash sqsupseteq$ \backslash doteq$ \backslash frown$$
 $\in \ni \propto =$
 $\backslash in$ \backslash ni$ \backslash propto$ \backslash $=$$
 $\vdash \dashv \lt \gt$
 $\backslash vdash$ \backslash dashv$ \backslash $<$ \backslash $>$$
 $:$
 $:$$

Punctuation Symbols

 $, ; \cdot$
 $,$ $;$ \colon$ \dotp$$
 $.$
 $\backslash cdotp$$

Arrow Symbols

\leftarrow \longleftarrow \uparrow \Leftarrow

$\$\\leftarrow$$ $\$\\longleftarrow$$ $\$\\uparrow$$ $\$\\Leftarrow$$

\Longleftarrow \Uparrow \rightarrow \longrightarrow

$\$\\Longleftarrow$$ $\$\\Uparrow$$ $\$\\rightarrow$$ $\$\\longrightarrow$$

\downarrow \Rightarrow \Longrightarrow \Downarrow

$\$\\downarrow$$ $\$\\rightarrow$$ $\$\\longrightarrow$$ $\$\\Downarrow$$

\leftrightarrow \longleftrightarrow \Updownarrow \Leftrightarrow

$\$\\leftrightarrow$$ $\$\\longleftrightarrow$$ $\$\\updownarrow$$ $\$\\Leftrightarrow$$

\Longleftrightarrow \Updownarrow \mapsto \longmapsto

$\$\\Longleftrightarrow$$ $\$\\Updownarrow$$ $\$\\mapsto$$ $\$\\longmapsto$$

\nearrow \leftrightarrow \hookrightarrow \searrow

$\$\\nearrow$$ $\$\\hookleftarrow$$ $\$\\hookrightarrow$$ $\$\\searrow$$

\leftharpoonup \rightarrow \swarrow \leftarrow

$\$\\leftharpoonup$$ $\$\\rightharpoonup$$ $\$\\swarrow$$ $\$\\leftharpoondown$$

\rightarrow \nwarrow \rightleftharpoons \rightsquigarrow

$\$\\rightharpoondown$$ $\$\\nwarrow$$ $\$\\rightleftharpoons$$ $\$\\leadsto$$

Miscellaneous Symbols

..... \ddots

\vdots \cdots \vdots \ddots

\aleph \prime \forall ∞

\aleph \prime \forall ∞

\hbar \emptyset \exists \square

\hbar \emptyset \exists \Box

∇ \neg \diamond

∇ \neg \Diamond

$\sqrt{\flat}$ \triangle

$\sqrt{\flat}$ \triangle

\top \clubsuit

\top \clubsuit

\perp \sharp \diamond

\perp \sharp \Diamond

\Re \backslash \heartsuit

\Re \backslash \heartsuit

\angle ∂ \spadesuit

\angle ∂ \spadesuit

\mathcal{U} \cdot $|$

\mathcal{U} \cdot $|$

Variable-sized Symbols

Σ \cap \odot Π

Σ \cap \odot Π

\cup \otimes \coprod \sqcup

\cup \otimes \coprod \sqcup

\oplus \int \vee \uplus

\oplus \int \vee \uplus

\oint \bigwedge

\oint \bigwedge

Log-like Symbols

arccos cos csc exp

$\$ \arccos \$ \$ \cos \$ \$ \csc \$ \$ \exp \$$

ker lim sup min sinh

$\$ \ker \$ \$ \limsup \$ \$ \min \$ \$ \sinh \$$

arcsin cosh deg gcd

$\$ \arcsin \$ \$ \cosh \$ \$ \deg \$ \$ \gcd \$$

lg ln Pr sup

$\$ \lg \$ \$ \ln \$ \$ \Pr \$ \$ \sup \$$

arctan cot det hom

$\$ \arctan \$ \$ \cot \$ \$ \det \$ \$ \hom \$$

lim log sec tan

$\$ \lim \$ \$ \log \$ \$ \sec \$ \$ \tan \$$

arg coth dim inf

$\$ \arg \$ \$ \coth \$ \$ \dim \$ \$ \inf \$$

lim inf max sin tanh

$\$ \liminf \$ \$ \max \$ \$ \sin \$ \$ \tanh \$$

Delimiters

() ↑ ↑

$\$ (\$ \$) \$ \$ \uparrow \$ \$ \Uparrow \$$

[] ↓ ↓

$\$ [\$ \$] \$ \$ \downarrow \$ \$ \Downarrow \$$

{ } ↑ ↓

$\$ \{ \$ \$ \} \$ \$ \updownarrow \$ \$ \Updownarrow \$$

[] []

$\$ \lfloor \$ \$ \rfloor \$ \$ \lceil \$ \$ \rceil \$$

< > / \

$\$ \angle \$ \$ \rangle \$ \$ / \$ \$ \backslash \$$

| |

$\$ | \$ \$ | \$$

Large Delimiters

$\bigl(\bigr) \bigl($

$\backslash moustache$ \backslash moustache$ \backslash rgroup$ \backslash lgroup$$

$\bigl| \bigr| \bigl|$

$\backslash arrowvert$ \backslash Arrowvert$ \backslash bracevert$$

Math mode accents

$\hat{a} \acute{a} \bar{a} \grave{a}$

$\backslash hat{a}$ \backslash acute{a}$ \backslash bar{a}$ \backslash dot{a}$$

$\breve{a} \check{a} \grave{a} \vec{a}$

$\backslash breve{a}$ \backslash check{a}$ \backslash grave{a}$ \backslash vec{a}$$

$\ddot{a} \tilde{a}$

$\backslash ddot{a}$ \backslash tilde{a}$$

Some other constructions

$\widetilde{abc} \widehat{abc} \overleftarrow{abc} \overrightarrow{abc}$

$\backslash widetilde{abc}$ \backslash widehat{abc}$ \backslash overleftarrow{abc}$ \backslash overrightarrow{abc}$$

$\overline{abc} \underline{abc} \overbrace{abc} \underbrace{abc}$

$\backslash overline{abc}$ \backslash underline{abc}$ \backslash overbrace{abc}$ \backslash underbrace{abc}$$

$\sqrt{abc} \sqrt[n]{abc} f' \frac{abc}{xyz}$

$\backslash sqrt{abc}$ \backslash sqrt[n]{abc}$ f'$ \backslash frac{abc}{xyz}$$