

Símbolos matemáticos

Para obtener los símbolos subrayados debemos agregar en el preámbulo lo siguiente:

```
\usepackage{latexsym}
```

Letras griegas

Lower case letters

| | | | | | | | |
|---------------|-------------------------|-------------|-----------------------|-------------|-----------------------|-----------|----------------------|
| α | $\backslash alpha$ | θ | $\backslash theta$ | o | o | τ | $\backslash tau$ |
| β | $\backslash beta$ | ϑ | $\backslash vartheta$ | π | $\backslash pi$ | u | $\backslash upsilon$ |
| γ | $\backslash gamma$ | ι | $\backslash iota$ | ϖ | $\backslash varpi$ | ϕ | $\backslash phi$ |
| δ | $\backslash delta$ | κ | $\backslash kappa$ | ρ | $\backslash rho$ | φ | $\backslash varphi$ |
| ϵ | $\backslash epsilon$ | λ | $\backslash lambda$ | ϱ | $\backslash varrho$ | χ | $\backslash chi$ |
| ε | $\backslash varepsilon$ | μ | $\backslash mu$ | σ | $\backslash sigma$ | ψ | $\backslash psi$ |
| ζ | $\backslash zeta$ | ν | $\backslash nu$ | ς | $\backslash varsigma$ | ω | $\backslash omega$ |
| η | $\backslash eta$ | ξ | $\backslash xi$ | | | | |

Upper case letters

| | | | | | | | |
|----------|--------------------|-----------|---------------------|----------|----------------------|----------|--------------------|
| Γ | $\backslash Gamma$ | Λ | $\backslash Lambda$ | Σ | $\backslash Sigma$ | Ψ | $\backslash Psi$ |
| Δ | $\backslash Delta$ | Ξ | $\backslash Xi$ | Y | $\backslash Upsilon$ | Ω | $\backslash Omega$ |
| Θ | $\backslash Theta$ | Π | $\backslash Pi$ | Φ | $\backslash Phi$ | | |

Operadores binarios

| | | | | | | | |
|------------|----------------------|-----------|---------------------|------------------|----------------------|------------------|------------------------------|
| \pm | $\backslash pm$ | \cap | $\backslash cap$ | \circ | $\backslash circ$ | \bigcirc | $\backslash bigcirc$ |
| \mp | $\backslash mp$ | \cup | $\backslash cup$ | \bullet | $\backslash bullet$ | \square | $\backslash Box$ |
| \times | $\backslash times$ | \oplus | $\backslash uplus$ | \diamond | $\backslash diamond$ | \diamond | $\backslash Diamond$ |
| \div | $\backslash div$ | \sqcap | $\backslash sqcap$ | \triangleleft | $\backslash lhd$ | \triangle | $\backslash bigtriangleup$ |
| \cdot | $\backslash cdot$ | \sqcup | $\backslash sqcup$ | \triangleright | $\backslash rhd$ | ∇ | $\backslash bigtriangledown$ |
| $*$ | $\backslash ast$ | \vee | $\backslash vee$ | \leq | $\backslash unlhd$ | \triangleleft | $\backslash triangleleft$ |
| \star | $\backslash star$ | \wedge | $\backslash wedge$ | \geq | $\backslash unrhd$ | \triangleright | $\backslash triangleright$ |
| \dagger | $\backslash dagger$ | \oplus | $\backslash oplus$ | \oslash | $\backslash oslash$ | \backslash | $\backslash setminus$ |
| \ddagger | $\backslash ddagger$ | \ominus | $\backslash ominus$ | \odot | $\backslash odot$ | \wr | $\backslash wr$ |
| \amalg | $\backslash amalg$ | \otimes | $\backslash otimes$ | | | | |

relaciones y sus negaciones

| | | | | | | | | | | | |
|---------------|-------------------------|---------------|-------------------------|-------------|-----------------------|-------------|-----------------------|----------|--------------------|-----------|---------------------|
| \leq | $\backslash le$ | \leq | $\backslash leq$ | \geq | $\backslash ge$ | \geq | $\backslash geq$ | \neq | $\backslash neq$ | \sim | $\backslash sim$ |
| \ll | $\backslash ll$ | \gg | $\backslash gg$ | $\dot{-}$ | $\backslash doteq$ | \approx | $\backslash approx$ | \asymp | $\backslash asymp$ | \smile | $\backslash smile$ |
| \subset | $\backslash subset$ | \supset | $\backslash supset$ | \supseteq | $\backslash supseteq$ | \cong | $\backslash cong$ | \frown | $\backslash frown$ | \bowtie | $\backslash bowtie$ |
| \subseteq | $\backslash subseteq$ | \supseteq | $\backslash supseteq$ | \equiv | $\backslash equiv$ | \propto | $\backslash propto$ | \succ | $\backslash succ$ | \succeq | $\backslash succeq$ |
| \sqsubset | $\backslash sqsubset$ | \sqsupset | $\backslash sqsupset$ | \dashv | $\backslash dashv$ | \preceq | $\backslash preceq$ | \mid | $\backslash mid$ | | |
| \sqsubseteq | $\backslash sqsubseteq$ | \sqsupseteq | $\backslash sqsupseteq$ | \perp | $\backslash perp$ | \parallel | $\backslash parallel$ | | | | |

| | | | | | |
|-------------------|-----------------------------|-------------------|-----------------------------|---------------|-------------------------|
| $\not<$ | $\backslash not<$ | $\not>$ | $\backslash not>$ | $\not=$ | $\backslash not=$ |
| $\not\leq$ | $\backslash not\leq$ | $\not\geq$ | $\backslash not\geq$ | $\not\equiv$ | $\backslash not\equiv$ |
| $\not\prec$ | $\backslash not\prec$ | $\not\succ$ | $\backslash not\succ$ | $\not\sim$ | $\backslash not\sim$ |
| $\not\preceq$ | $\backslash not\preceq$ | $\not\succeq$ | $\backslash not\succeq$ | $\not\approx$ | $\backslash not\approx$ |
| $\not\subset$ | $\backslash not\subset$ | $\not\supset$ | $\backslash not\supset$ | $\not\cong$ | $\backslash not\cong$ |
| $\not\subseteq$ | $\backslash not\subseteq$ | $\not\supseteq$ | $\backslash not\supseteq$ | $\not\propto$ | $\backslash not\propto$ |
| $\not\sqsubseteq$ | $\backslash not\sqsubseteq$ | $\not\sqsupseteq$ | $\backslash not\sqsupseteq$ | $\not\asymp$ | $\backslash not\asymp$ |
| $\not\in$ | $\backslash not\in$ | \notin | $\backslash notin$ | | |

Flechas y punteros

| | | | | | |
|----------------------|--------------------------------|-----------------------|---------------------------------|----------------|--------------------------|
| \leftarrow | $\backslash leftarrow$ | \longleftarrow | $\backslash longleftarrow$ | \uparrow | $\backslash uparrow$ |
| \Leftarrow | $\backslash Leftarrow$ | \Longleftarrow | $\backslash Longleftarrow$ | \Uparrow | $\backslash Uparrow$ |
| \rightarrow | $\backslash rightarrow$ | \longrightarrow | $\backslash longrightarrow$ | \downarrow | $\backslash downarrow$ |
| \Rightarrow | $\backslash Rightarrow$ | \Longrightarrow | $\backslash Longrightarrow$ | \Downarrow | $\backslash Downarrow$ |
| \leftrightarrow | $\backslash leftrightarrow$ | \longleftrightarrow | $\backslash longleftrightarrow$ | \Updownarrow | $\backslash Updownarrow$ |
| \Leftrightarrow | $\backslash Leftrightarrow$ | \Longleftrightarrow | $\backslash Longleftrightarrow$ | \nearrow | $\backslash nearrow$ |
| \mapsto | $\backslash mapsto$ | \longmapsto | $\backslash longmapsto$ | \searrow | $\backslash searrow$ |
| \hookleftarrow | $\backslash hookleftarrow$ | \hookrightarrow | $\backslash hookrightarrow$ | \swarrow | $\backslash swarrow$ |
| \leftharpoonup | $\backslash leftharpoonup$ | \rightharpoonup | $\backslash rightharpoonup$ | \nwarrow | $\backslash nwarrow$ |
| \leftharpoondown | $\backslash leftharpoondown$ | \rightharpoondown | $\backslash rightharpoondown$ | | |
| \rightleftharpoons | $\backslash rightleftharpoons$ | \leadsto | $\backslash leadsto$ | | |

Otros símbolos

| | | | | | | | |
|----------|--------------------|-------------|-----------------------|--------------|------------------------|----------------|--------------------------|
| \aleph | $\backslash aleph$ | \prime | $\backslash prime$ | \forall | $\backslash forall$ | \square | $\backslash Box$ |
| \hbar | $\backslash hbar$ | \emptyset | $\backslash emptyset$ | \exists | $\backslash exists$ | \diamond | $\backslash Diamond$ |
| \imath | $\backslash imath$ | ∇ | $\backslash nabla$ | \neg | $\backslash neg$ | \triangle | $\backslash triangle$ |
| j | $\backslash jmath$ | \surd | $\backslash surd$ | \flat | $\backslash flat$ | \clubsuit | $\backslash clubsuit$ |
| ℓ | $\backslash ell$ | ∂ | $\backslash partial$ | \natural | $\backslash natural$ | \diamondsuit | $\backslash diamondsuit$ |
| \wp | $\backslash wp$ | \top | $\backslash top$ | \sharp | $\backslash sharp$ | \heartsuit | $\backslash heartsuit$ |
| \Re | $\backslash Re$ | \bot | $\backslash bot$ | \parallel | $\backslash parallel$ | \spadesuit | $\backslash spadesuit$ |
| \Im | $\backslash Im$ | \vdash | $\backslash vdash$ | \angle | $\backslash angle$ | \Join | $\backslash Join$ |
| \mho | $\backslash mho$ | \dashv | $\backslash dashv$ | \backslash | $\backslash backslash$ | ∞ | $\backslash infty$ |

Símbolos con dos tamaños

| | | | | | |
|-----------|-----------|-------------|-------------|-----------|-----------|
| Σ | \sum | \bigcap | \bigcap | \odot | \odot |
| \int | \int | \bigcup | \bigcup | \otimes | \otimes |
| \oint | \oint | \bigsqcup | \bigsqcup | \oplus | \oplus |
| \prod | \prod | \bigvee | \bigvee | \uplus | \uplus |
| \coprod | \coprod | \bigwedge | \bigwedge | | |

Nombre de funciones y funciones con límite inferior

| | | | | | | | | | | | | | |
|-----------|---------------------|---------|-------------------|--------|------------------|-----------|---------------------|-----------|---------------------|---------|-------------------|---------|-------------------|
| \arccos | $\backslash arccos$ | \cosh | $\backslash cosh$ | \det | $\backslash det$ | \inf | $\backslash inf$ | \limsup | $\backslash limsup$ | \Pr | $\backslash Pr$ | \tan | $\backslash tan$ |
| \arcsin | $\backslash arcsin$ | \cot | $\backslash cot$ | \dim | $\backslash dim$ | \ker | $\backslash ker$ | \ln | $\backslash ln$ | \sec | $\backslash sec$ | \tanh | $\backslash tanh$ |
| \arctan | $\backslash arctan$ | \coth | $\backslash coth$ | \exp | $\backslash exp$ | \lg | $\backslash lg$ | \log | $\backslash log$ | \sin | $\backslash sin$ | | |
| \arg | $\backslash arg$ | \csc | $\backslash csc$ | \gcd | $\backslash gcd$ | \lim | $\backslash lim$ | \max | $\backslash max$ | \sinh | $\backslash sinh$ | | |
| \cos | $\backslash cos$ | \deg | $\backslash deg$ | \hom | $\backslash hom$ | \liminf | $\backslash liminf$ | \min | $\backslash min$ | \sup | $\backslash sup$ | | |

| | | | | | | | | | | | | | |
|--------|------------------|--------|------------------|--------|------------------|--------|------------------|-----------|---------------------|-----------|---------------------|--------|------------------|
| \det | $\backslash det$ | \gcd | $\backslash gcd$ | \inf | $\backslash inf$ | \lim | $\backslash lim$ | \liminf | $\backslash liminf$ | \limsup | $\backslash limsup$ | \max | $\backslash max$ |
| \Pr | $\backslash Pr$ | \sup | $\backslash sup$ | | | | | | | | | | |

“Acentos” matemáticos

| | | | | | | | |
|-------------|-----------------------|-------------|-----------------------|----------------|--------------------------|-----------|---------------------|
| \hat{a} | $\backslash hat{a}$ | \breve{a} | $\backslash breve{a}$ | \grave{a} | $\backslash grave{a}$ | \bar{a} | $\backslash bar{a}$ |
| \check{a} | $\backslash check{a}$ | \acute{a} | $\backslash acute{a}$ | \tilde{a} | $\backslash tilde{a}$ | \vec{a} | $\backslash vec{a}$ |
| \dot{a} | $\backslash dot{a}$ | \ddot{a} | $\backslash ddot{a}$ | \mathring{a} | $\backslash mathring{a}$ | | |