LaTeX Symbols

(From Alavaro Loustau's LaTeX tutorial)

11 Jan 95

Foreign symbols. (Text mode)

œ	\oe	å	\aa	ł	\l	¿	?‘
Œ	\OE	Å	\AA	Ł	\L	¡	!‘
æ	\ae	ø	\o	ß	\ss	Æ	\AE
Ø	\O						

Accents. (Text mode)

ó	\'{o}	ō	\={o}	ò	\`{o}	ő	\H{o}
ọ	\d{o}	õ	\~{o}	ǒ	\v{o}	ǫ	\c{o}
ô	\^{o}	ȯ	\.{o}	o͡o	\t{oo}	o̲	\b{o}
ö	\"{o}	ŏ	\u{o}				

Math mode accents.

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

Greek letters.

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

Uppercase Greek Letters

Γ	\Gamma	Λ	\Lambda	Σ	\Sigma	Ψ	\Psi
Δ	\Delta	Ξ	\Xi	Υ	\Upsilon	Ω	\Omega
Θ	\Theta	Π	\Pi	Φ	\Phi		

Binary operation symbols.

±	\pm	∩	\cap	◇	\diamond
∓	\mp	∪	\cup	△	\bigtriangleup
×	\times	⊎	\uplus	▽	\bigtriangledown
÷	\div	⊓	\sqcap	◁	\triangleleft
*	\ast	⊔	\sqcup	▷	\triangleright
⋆	\star	∨	\vee	◁	\lhd
∘	\circ	∧	\wedge	▷	\rhd
•	\bullet	\	\setminus	⊴	\unlhd
·	\cdot	≀	\wr	⊵	\unrhd
⊕	\oplus	⊖	\ominus	⊗	\otimes
⊘	\oslash	⊙	\odot	◯	\bigcirc
†	\dagger	‡	\ddagger	∐	\amalg
+	+	−	-		

Relation symbols.

≤	\leq	≥	\geq	≡	\equiv
≺	\prec	≻	\succ	∼	\sim
≼	\preceq	≽	\succeq	≃	\simeq
≪	\ll	≫	\gg	≍	\asymp
⊂	\subset	⊃	\supset	≈	\approx
⊆	\subseteq	⊇	\supseteq	≅	\cong
⊏	\sqsubset	⊐	\sqsupset	≠	\neq
⊑	\sqsubseteq	⊒	\sqsupseteq	≐	\doteq
∈	\in	∋	\ni	∉	\notin
⊢	\vdash	⊣	\dashv	<	<
⊨	\models	⊥	\perp	|	\mid
∥	\parallel	⋈	\bowtie	⋈	\Join
⌣	\smile	⌢	\frown	∝	\propto
=	=	>	>	:	:

Arrow symbols.

←	\leftarrow	⟵	\longleftarrow
⇐	\Leftarrow	⟸	\Longleftarrow
→	\rightarrow	⟶	\longrightarrow
⇒	\Rightarrow	⟹	\Longrightarrow
↔	\leftrightarrow	⟷	\longleftrightarrow
⇔	\Leftrightarrow	⟺	\Longleftrightarrow
↦	\mapsto	⟼	\longmapsto
↩	\hookleftarrow	↪	\hookrightarrow
↼	\leftharpoonup	⇀	\rightharpoonup
↽	\leftharpoondown	⇁	\rightharpoondown
⇌	\rightleftharpoons	⇝	\leadsto
↑	\uparrow	↓	\downarrow
⇑	\Uparrow	⇓	\Downarrow
↕	\updownarrow	⇕	\Updownarrow
↖	\nwarrow	↗	\nearrow
↙	\swarrow	↘	\searrow

Miscellaneous symbols.

†	\dag	§	\S	©	\copyright
‡	\ddag	¶	\P	£	\pounds
LaTeX	\LaTeX				
…	\ldots	⋯	\cdots	⋮	\vdots
⋱	\ddots				
ℵ	\aleph	′	\prime	∀	\forall
ℏ	\hbar	∅	\emptyset	∃	\exists
ı	\imath	∇	\nabla	¬	\neg
ȷ	\jmath	√	\surd	♭	\flat
ℓ	\ell	⊤	\top	♮	\natural
℘	\wp	⊥	\bot	♯	\sharp
ℜ	\Re	\	\backslash	∠	\angle
ℑ	\Im	∂	\partial	℧	\mho
.	.	∞	\infty	□	\Box
◇	\Diamond	△	\triangle	♣	\clubsuit
♢	\diamondsuit	♡	\heartsuit	♠	\spadesuit

Variable-sized symbols.

∑	\sum	⋂	\bigcap	⊙	\bigodot
∏	\prod	⋃	\bigcup	⊗	\bigotimes
∐	\coprod	⨆	\bigsqcup	⊕	\bigoplus
∫	\int	⋁	\bigvee	⨄	\biguplus
∮	\oint	⋀	\bigwedge		

Log-like symbols.

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

Delimiters.

```
(  (                  )  )
[  [                  ]  ]
{  \{                 }  \}
↑  \uparrow           ↓  \downarrow
⇑  \Uparrow           ⇓  \Downarrow
↕  \updownarrow       ⇕  \Updownarrow
⌊  \lfloor            ⌋  \rfloor
⌈  \lceil             ⌉  \rceil
⟨  \langle            ⟩  \rangle
/  /                  \  \backslash
|  |                  ‖  \|
```

Some other constructions.

```
\widetilde{abc}  \widetilde{abc}        \widehat{abc}  \widehat{abc}

\overleftarrow{abc}  \overleftarrow{abc}   \overrightarrow{abc}  \overrightarrow{abc}

\overline{abc}  \overline{abc}          \underline{abc}  \underline{abc}

\overbrace{abc}  \overbrace{abc}        \underbrace{abc}  \underbrace{abc}

\sqrt{abc}  \sqrt{abc}                  \sqrt[n]{abc}  \sqrt[n]{abc}

f' f'                                   \frac{abc}{xyz}  \frac{abc}{xyz}
```

alvaro