LaTeX Symbols

(From Alavaro Loustau's LaTeX tutorial)

11 Jan 95

Foreign symbols. (Text mode)

œ	\oe	å ∖aa	} \1	¿ ?'
Œ	\0E	Å \aa	Ł \L	1 10
æ	\ae	ø \o	ß \ss	Æ \AE
Ø	\0			

Accents. (Text mode)

```
ó \'{o}
                               \'{o}
                 \={o}
                                              H{o}
o \d{o}
              õ
                 \^{o}
                            ŏ
                               \v{o}
                                              \c{o}
ô \^{o}
                 \.{o}.
                            \b{o}
ö \"{o}
                 \u{o}
```

Math mode accents.

```
\hat{a} \hat{a} = \hat{a} \hat{a} \cdot \hat{a} \cdot \hat{a}
\hat{a} \cdot \hat{a} \cdot \hat{a}
\hat{a} \cdot \hat{a} \cdot \hat{a}
```

Greek letters.

$\boldsymbol{\alpha}$	\alpha	θ	\theta	0	0	τ	\tau
β	\beta	ø	\vartheta	π	\pi	v	\upsilon
γ	\gamma	ı	\iota	ಬ	\varpi	ϕ	\phi
δ	\delta	κ	\kappa	p	\rho	φ	\varphi
£	\epsilon	λ	\lambda	ę	\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	П	\Pi	Φ	\Phi		_

Binary operation symbols.

1 / 4 2008/4/9 2:40 AM

土	\pm	n	\сар	\Q	\diamond
Ŧ	\mp	U	\cup	Δ	\bigtriangleup
×	\times	⊎	\uplus	∇	\bigtriangledown
÷	\div	П	\sqcap	٥	\triangleleft
*	\ast	Ц	\sqcup	Þ	\triangleright
*	\star	V	\vee	⊲	\lhd
Ф	\circ	٨	\wedge	Þ	\rhd
٠	\bullet	\ \	\setminus	⊴	\unlhd
	\cdot	1	\wr	≥	\unrhd
\oplus	\oplus	Θ	\ominus	8	\otimes
0	\oslash	⊙	\odot	0	\bigcirc
†	\dagger	‡	\ddagger	П	\amalg
+	+	_	-		

Relation symbols.

≤	\leq	≥	\geq	≡	\equiv
≺	\prec	>	\succ	~	\sim
<u>≺</u>	\preceq	≽	\succeq	~	\simeq
«	\11	≫	\gg	×	\asymp
\subset	\subset	\supset	\supset	≈	\approx
⊆	\subseteq	⊇	\supseteq	≅	\cong
	\sqsubset	コ	\sqsupset	≠	\neq
	\sqsubseteq	⊒	\sqsupseteq	÷	\doteq
€	\in	∍	\ni	∉	\notin
\vdash	\vdash	-	\dashv	<	<
\models	\models	Τ	\perp		\mid
	\parallel	M	\bowtie	×	\Join
<u> </u>	\smile	$\overline{}$	\frown	œ	\propto
=	-	>	>	:	:

Arrow symbols.

←	\leftarrow	← \longleftarrow
=	\Leftarrow	← \Longleftarrow
→	\rightarrow	→ \longrightarrow
\Rightarrow	\Rightarrow	⇒ \Longrightarrow
\leftrightarrow	\leftrightarrow	←→ \longleftrightarrow
\Leftrightarrow	\Leftrightarrow	← \Longleftrightarrow
\mapsto	\mapsto	→ \longmapsto
ب	\hookleftarrow	→ \hookrightarrow
_	\leftharpoonup	→ \rightharpoonup
-	\leftharpoondown	→ \rightharpoondown
=	\rightleftharpoons	→ \leadsto
t	\uparrow	\downarrow
ì	\Uparrow	↓ \Downarrow
İ	\updownarrow	
	\nwarrow	/ \nearrow
/	\swarrow	\ \searrow

2/4 2008/4/9 2:40 AM

Miscellaneous symbols.

† \dag	§ \s	© \copyright
‡ \ddag	¶ \P	£ \pounds
LAT _E X \LaTeX		_
\ldots	··· \cdots	: \vdots
· \ddots		
ℵ \aleph	/ \prime	∀ \forall
ħ \hbar	<pre>0 \emptyset</pre>	∃ \exists
ı \imath	∇ \nabla	¬ \neg
η \jmath	√ \surd	\flat
ℓ \ell	⊤ \top	\natural
ρ ∖wp	⊥ \bot	\sharp
ℜ \Re	\ \backslash	∠ \angle
3 \Im	∂ \partial	υ \mho
	∞ \infty	□ \Box
♦ \Diamond	△ \triangle	♣ \clubsuit
♦ \diamondsuit	♡ \heartsuit	♠ \spadesuit

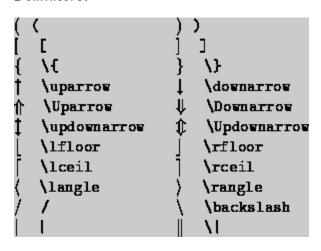
Variable-sized symbols.

\sum_{i}	\sum	n	\bigcap	0	\bigodot
Π	\prod	U	\bigcup	⊗	\bigotimes
Ш	\coprod	Ш	\bigsqcup	\oplus	\bigoplus
ſ	\int	V	\bigvee	₩	\biguplus
∮	\oint	٨	\bigwedge		

Log-like symbols.

\arccos	\cos	\csc	\exp	\ker	\limsup	\min	\sinh
\arcsin	\cosh	\deg	\gcd	\1g	\ln	\Pr	\sup
\arctan	\cot	\det	\hom	\lim	\log	\sec	\tan
\arg	\coth	\dim	\inf	\liminf	\max	\sin	\tanh

Delimiters.



Some other constructions.

3/4 2008/4/9 2:40 AM

\widetilde{abc}	\widetilde{abc}	\widehat{abc}	\widehat{abc}
\overleftarrow{abc}	\overleftarrow{abc}	\overrightarrow{abc}	\overrightarrow{abc}
\overline{abc}	\overline{abc}	<u>abc</u>	\underline{abc}
\widehat{abc}	\overbrace{abc}	<u>abc</u>	\underbrace{abc}
\sqrt{abc}	\sqrt{abc}	$\sqrt[n]{aba}$	s \sqrt[n] {abc}
f^{\prime} f	,	abc xyz	\frac{abc}{xyz}

alvaro

4/4 2008/4/9 2:40 AM