

LATEX mathmode for linguists (and others)

GREEK LETTERS

character	code	character	code
A	A	α	$\$\\alpha$
B	B	β	$\$\\beta$
Γ	$\$\\Gamma$	γ	$\$\\Gamma$
Δ	$\$\\Delta$	δ	$\$\\delta$
E	E	ϵ	$\$\\epsilon$
		ε	$\$\\varepsilon$
Z	Z	ζ	$\$\\zeta$
H	H	η	$\$\\eta$
Θ	$\$\\Theta$	θ	$\$\\theta$
		ϑ	$\$\\vartheta$
I	I	ι	$\$\\iota$
K	K	κ	$\$\\kappa$
Λ	$\$\\Lambda$	λ	$\$\\lambda$
M	M	μ	$\$\\mu$
N	N	ν	$\$\\nu$
Ξ	$\$\\Xi$	ξ	$\$\\xi$
O	O	\circ	\circ
Π	$\$\\Pi$	π	$\$\\pi$
		ϖ	$\$\\varpi$
P	P	ρ	$\$\\rho$
Σ	$\$\\Sigma$	σ	$\$\\sigma$
		ς	$\$\\varsigma$
T	T	τ	$\$\\tau$
Υ	$\$\\Upsilon$	υ	$\$\\upsilon$
Φ	$\$\\Phi$	ϕ	$\$\\phi$
		φ	$\$\\varphi$
X	X	χ	$\$\\chi$
Ψ	$\$\\Psi$	ψ	$\$\\psi$
Ω	$\$\\Omega$	ω	$\$\\omega$

MATHACCENTS

character	code	character	code
\acute{a}	$\$\\acute{a}$	\underline{a}	$\$\\underline{a}$
\grave{a}	$\$\\grave{a}$	\bar{a}	$\$\\bar{a}$
\ddot{a}	$\$\\ddot{a}$	\vec{a}	$\$\\vec{a}$
\dot{a}	$\$\\dot{a}$	\tilde{a}	$\$\\tilde{a}$
\check{a}	$\$\\check{a}$	\breve{a}	$\$\\breve{a}$
\hat{a}	$\$\\hat{a}$	$\breve{\bar{a}}$	$\$\\breve{\\bar{a}}$
\overleftarrow{a}	$\$\\overleftarrow{a}$	\overrightarrow{a}	$\$\\overrightarrow{a}$

NUMBER SETS

character	meaning	code
\mathbb{N}	natural numbers	$\$\\mathbb{N}$
\mathbb{Z}	integers	$\$\\mathbb{Z}$
\mathbb{Q}	rational numbers	$\$\\mathbb{Q}$
\mathbb{R}	real numbers	$\$\\mathbb{R}$

BRACKETS

character	meaning	code	character	meaning	code	character	meaning	code
(a)	round	$\$\\left(a\\right)$	[a]	square (<i>features</i>)	$\$\\left[a\\right]$	{ a }	curly (<i>sets</i>)	$\$\\left\\{a\\right\\}$
$\langle a \rangle$	angle	$\$\\langle a \\rangle$	$\llbracket a \rrbracket$	double square (<i>denotation</i>)	$\$\\left\\llbracket a \\rrbracket$	$\begin{bmatrix} a & b \\ c & d \end{bmatrix}$	big brackets	$\$\\left[\\dots\\right]$

ARROWS

char.	code	char.	code	char.	code	char.	code
\rightarrow	$\$\\rightarrow$	\leftarrow	$\$\\leftarrow$	\leftrightarrow	$\$\\leftrightarrow$	\mapsto	$\$\\mapsto$
\longrightarrow	$\$\\longrightarrow$	\longleftarrow	$\$\\longleftarrow$	\longleftrightarrow	$\$\\longleftrightarrow$	\longmapsto	$\$\\longmapsto$
\Rightarrow	$\$\\Rightarrow$	\Leftarrow	$\$\\Leftarrow$	\Leftrightarrow	$\$\\Leftrightarrow$	\leftrightsquigarrow	$\$\\leftrightsquigarrow$
\Longrightarrow	$\$\\Longrightarrow$	\Longleftarrow	$\$\\Longleftarrow$	\Longleftrightarrow	$\$\\Longleftrightarrow$	\leadsto	$\$\\leadsto$
\rightsquigarrow	$\$\\rightsquigarrow$	\nleftarrow	$\$\\nleftarrow$	\nleftrightarrow	$\$\\nleftrightarrow$	\curvearrowleft	$\$\\curvearrowleft$
\nRightarrow	$\$\\nRightarrow$	\nLeftarrow	$\$\\nLeftarrow$	\nLongleftarrow	$\$\\nLongleftarrow$	\curvearrowright	$\$\\curvearrowright$
\uparrow	$\$\\uparrow$	\downarrow	$\$\\downarrow$	\updownarrow	$\$\\updownarrow$	\circlearrowleft	$\$\\circlearrowleft$
\Uparrow	$\$\\Uparrow$	\Downarrow	$\$\\Downarrow$	\Updownarrow	$\$\\Updownarrow$	\circlearrowright	$\$\\circlearrowright$
\nearrow	$\$\\nearrow$	\nwarrow	$\$\\nwarrow$	\hookleftarrow	$\$\\hookleftarrow$	\rightsquigarrow	$\$\\rightsquigarrow$
\searrow	$\$\\searrow$	\swarrow	$\$\\swarrow$	\hookrightarrow	$\$\\hookrightarrow$	\leftrightsquigarrow	$\$\\leftrightsquigarrow$
\dashrightarrow	$\$\\dashrightarrow$	\dashleftarrow	$\$\\dashleftarrow$				

SETS

character	meaning	code
\emptyset	empty set	$\$\\emptyset$
$\{a, b, c, \dots\}$	list notation set	$\$\\{a,b,c,\\dots\\}$
$\{a \mid T(a)\}, \{a : T(a)\}$	property notation set	$\$\\{\\{a\\mid T(a)\\}\\}, \\$\\{a: T(a)\\}$
$A \cup B$	union	$\$A \\cup B$
$\bigcup_{i=1}^n M_i$		$\$\\bigcup_{i=1}^n M_i$
$A \cap B$	intersection	$\$A \\cap B$
$\bigcap_{i=1}^n M_i$		$\$\\bigcap_{i=1}^n M_i$
$A \setminus B$	difference	$\$A \\setminus B$
$A \times B$	Cartesian product	$\$A \\times B$
A	complement	$\$\\bar{A}$
$\mathcal{P}(A)$	power set	$\$\\mathcal{P}(A)$
$a \in A, a \notin A$	(not) in	$\$a \\in A$, $\$a \\not\\in A$
$A \ni a, A \not\ni a$	(does not) contain	$\$A \\ni a$, $\$A \\not\\ni a$
$A \subset B, A \not\subset B$	(no) true subset of	$\$A \\subset B$, $\$A \\not\\subset B$
$A \supset B, A \not\supset B$	(no) true superset of	$\$A \\supset B$, $\$A \\not\\supset B$
$A \subseteq B, A \not\subseteq B$	(no) subset of	$\$A \\subseteq B$, $\$A \\not\\subseteq B$
$A \supseteq B, A \not\supseteq B$	(no) superset of	$\$A \\supseteq B$, $\$A \\not\\supseteq B$

ARITHMETIC OPERATORS

character	meaning	code
$a + b$	addition	$\$a+b$
$a - b$	subtraction	$\$-b$
$a : b$	division (mostly fractions)	$\$a:b$
a/b		$\$a/b$
$a \div b$		$\$a\\div b$
$\frac{a}{b}$		$\$\\frac{a}{b}$
$a \bmod b$	modulo	$\$a \\bmod b$
$a \cdot b$	multiplication (mostly no symbol)	$\$a\\cdot b$
$a \times b$		$\$a\\times b$
$a \pm b$	plus-minus character	$\$a\\pm b$
$a \oplus b$	direct sum	$\$a\\oplus b$
$a \otimes b$	tensor product	$\$a\\otimes b$

EQUATION CHARACTERS

character	meaning	code
$a = b$	equation	$\$a=b$
$a \neq b$	inequation	$\$a\\neq b$
$a \equiv b$	identity	$\$a\\equiv b$
$a \approx b$	approximation	$\$a\\approx b$
$a \sim b$	proportionality, equivalence	$\$a\\sim b$
$a \widehat{=} b$	corresponds to	$\$a\\widehat{=}b$
$A : B$	A defined by B	$\$A:B$
$A := B$	A identical by definition B	$\$A:=B$

COMPARISON

character	meaning	code

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