Math $(x+a)^n = \sum_{k=0}^{n} \binom{n}{k} x^k a^{n-k}$

Symbols: ∞≠×∑Ω±≤÷≥μαβπ αβγ© Ω and ∑

$e^{-i\omega t}$ $\frac{-b\pm\sqrt{b^2-4ac}}{2a}$ $\int_0^1 x^2 . dx$ $\begin{pmatrix} 1 & 2 \\ 3 & 4 \end{pmatrix}$ $\lim_{n\to\infty} \left(1+\frac{1}{n}\right)^n$

$\tan\theta = \frac{\sin\theta}{\cos\theta}$ $f(x) = \begin{cases} -x, & x<0 \\ x, & x\geq 0 \end{cases}$ $\sum_{\substack{0\leq i\leq m \\ 0<j<n}} P(i,j)$

$\sinh^{-1} \frac{a}{b}$ $\mathrm{x}_{\mathrm{y}^2}$ $\cos 2x$ ${}_1^n Y$ $\sqrt{a^2+b^2}$

$\sum_{\substack{0\leq i\leq m \\ 0<j<n}} P(i,j)$ $\sqrt[3]{x}$ $\frac{\Delta y}{\Delta x}$ $\frac{\partial y}{\partial x}$ $\frac{dy}{dx}$ $\frac{\pi}{2}$ $\frac{\delta y}{\delta x}$ $\max_{0\leq x\leq 1} xe^{-x^2}$ ∞

α β γ δ ε θ μ π ρ σ τ φ

$\pm$ $=$ $\neq$ $\sim$ $\div$ $!$ $\propto$ $<$ $\ll$ $>$ $\gg$ $\leq$ $\geq$ $\sqrt{}$ $\sqrt[3]{}$