

A simple tex templates

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bla bla

$$\pm \mp$$

$$\partial \hspace{.1cm} \mathrm{d}$$

$$f \hspace{.1cm} \phi$$

$$\sum \hspace{.1cm} \Pi$$

$$\nabla \hspace{.1cm} \Delta$$

$$x \hspace{.1cm} y \hspace{.1cm} z$$

$$\pi \hspace{.1cm} \mathrm{e} \hspace{.1cm} \mathrm{i}$$

$$\alpha \hspace{.1cm} \beta \hspace{.1cm} \gamma$$

$$\sin \hspace{.1cm} \cos \hspace{.1cm} \tan$$

$$\left\{\begin{array}{l}a_{11}x_1+a_{12}x_2+a_{13}x_2=b_1\\[1ex] \hspace{1.5cm} a_{22}x_3+a_{23}x_3=b_2\end{array}\right.$$

$$\| \boldsymbol{x} \|_2 = \sqrt{x_1^2 + x_2^2 + \cdots + x_n^2}$$

$$\sin x = \sum_{n=0}^{\infty} \frac{(-1)^n}{(2n+1)!} x^{2n+1} = x - \frac{x^3}{3!} + \frac{x^5}{5!} - \frac{x^7}{7!} + \cdots$$

$$\ln (x+1) = \sum_{n=1}^{\infty} \frac{(-1)^{n-1}}{n} x^n = x - \frac{x^2}{2!} + \frac{x^3}{3!} - \frac{x^4}{4!} + \cdots$$

Euler Equation:

$$\mathrm{e}^{\mathrm{i} x}=\cos x+\mathrm{i} \sin x \tag{1}$$

$$\lim_{x\rightarrow 0}\frac{\sqrt{1+2\tan x}-\sqrt{1+2\sin x}}{x\ln(1+x)-x^2}$$

$$\iint_D \frac{1+xy}{1+x^2++y^2}\,\mathrm{d}x\,\mathrm{d}y.$$

$$\sqrt{\sum_{i=1}^n (y^i-x^i)^2} \tag{2}$$