Powerful Mathematics Editor

for inputing and sharing your formulas with people!

Input your mathematics formula inline: $\vec{F} = m\vec{a}$ or new line

$$\frac{a}{b} + \sqrt[3]{a+b} + \int_b^a dx + \overbrace{a-b}^{n+1} + \widehat{ABC} + \widehat{ABC} + \Uparrow H_2 0 \Uparrow$$

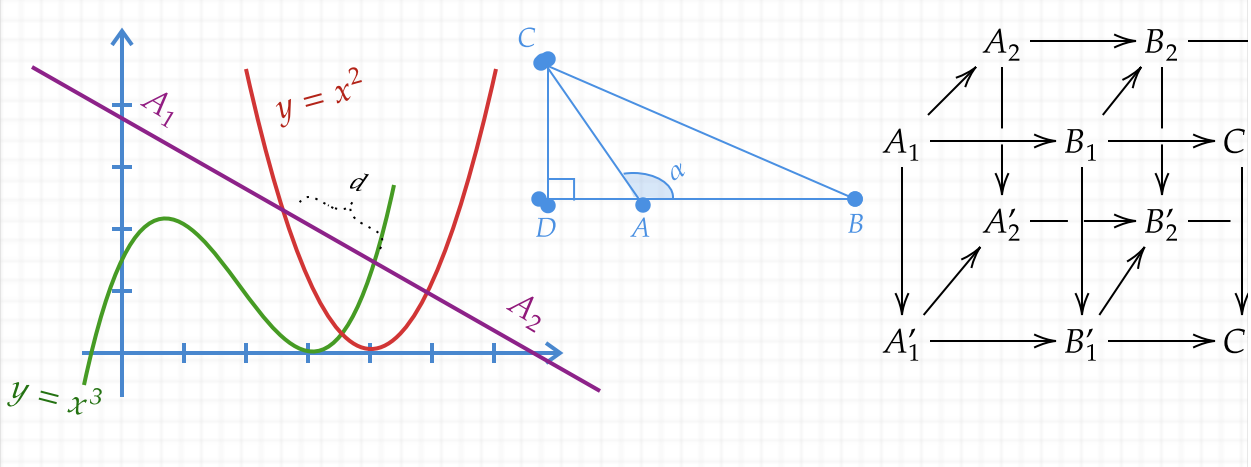
Matrices, cases, layouts

$$\begin{pmatrix} a_1 & b_1 \\ c_1 & d_1 \end{pmatrix} \quad \begin{bmatrix} 1 & \cdots & 1 \\ \vdots & \ddots & \vdots \\ 1 & \cdots & 1 \end{bmatrix} \quad \begin{array}{c|c|c|c} fx & a_1 & \nearrow & a_2 \\ \hline & b_1 & \swarrow & b_2 \end{array} \quad fx = \begin{cases} \alpha & \text{if, } a = b \\ \beta & \text{if, } a \neq b \end{cases}$$

Fonts

$$\mathfrak{L}, \boldsymbol{a}, n \subset (\mathbb{R} \cap \mathbb{N}) \ \langle \text{gen}, \text{diff}, \min \rangle$$

Diagram



Brackets

$$\left(\frac{xdx}{dy} - \frac{ydy}{dx}\right)^2, \ [\vec{F} = m\vec{a}], \ \left|\frac{a}{b}\right| \left\|\frac{a}{b}\right\| \left\langle\frac{a}{b}\right\rangle \left\{\sqrt{a+\sqrt{a+\sqrt{a}}} \to \infty\right\}$$

Complex display

$$! \quad \int_b^a f'(x)dx = f(b) - f(a)$$

$$\underbrace{\frac{1}{4}W_{\mu\nu} \cdot W^{\mu\nu} - \frac{1}{4}B_{\mu\nu}B^{\mu\nu} - \frac{1}{4}G^a_{\mu\nu}G^{\mu\nu}_a}_{\text{kinetic energies and self-interactions of the gauge bosons}}$$

$$\|x + y\| \geq \left|\|x\| - \|y\|\right|$$

$$\nabla \cdot \mathbf{D} = \rho \text{ and } \nabla \cdot \mathbf{B} = 0$$

$$\nabla \times \mathbf{E} = -\frac{\partial \mathbf{B}}{\partial t} \text{ and } \nabla \times \mathbf{H} = \mathbf{J} + \frac{\partial \mathbf{D}}{\partial t}$$

$$y = \frac{\sum_i w_i y_i}{\sum_i w_i}, i = 1, 2 \ldots k$$

$$e = \lim_{n \to \infty} \left(1 + \frac{1}{n}\right)^n$$

$$\dot{x}_i = a_i x_{i'} - (d + a_{i0} + a_{i1})x_i + r x_i (f_i - \phi)$$