

Typst Syntax Equation Bank

Calculus

$$\int_0^1 x^2 \, dx$$

Calculus

$$\int_a^b \frac{1}{1+x^2} dx$$

Calculus

$$\int_{(0)}^{\infty} e^{(-x)} dx$$

Calculus

$$_A f(x, y) d x d y$$

Calculus

$v \rho(x)$

Calculus

$$\oint_C \mathbf{F} \cdot d\mathbf{r}$$

Calculus

$\partial f / \partial x$

Calculus

$$\partial^2 u / \partial x^2$$

Calculus

$$\lim_{(x \rightarrow 0)} \frac{\sin x}{x} = 1$$

Calculus

$$\lim_{(n \rightarrow \infty)} (1 + \frac{1}{n})^n = e$$

Calculus

$$\frac{d}{dx}(x^3) = 3x^2$$

Calculus

$$\nabla \cdot \mathbf{F} = 0$$

Calculus

$$\nabla \times \mathbf{F} = 0$$

Calculus

$$\sum_{(k=1)}^n k = \frac{n(n+1)}{2}$$

Calculus

$$\prod_{(i=1)}^n i = n!$$

Linear Algebra

$$\begin{bmatrix} 1 \\ 2 \\ 3 \end{bmatrix}$$

Linear Algebra

$$\begin{bmatrix} a \\ b \\ c \end{bmatrix}$$

Linear Algebra

$$\begin{pmatrix} 1 & 0 \\ 0 & 1 \end{pmatrix}$$

Linear Algebra

$$\begin{pmatrix} 1 & 2 \\ 3 & 4 \end{pmatrix}$$

Linear Algebra

$$A \mathbf{x} = \mathbf{b}$$

Linear Algebra

$A^T A$

Linear Algebra

$$\det = \lambda_1 \lambda_2$$

Linear Algebra

$\text{rank}(A) \leq n$

Linear Algebra

$\ker \subseteq V$

Linear Algebra

$\text{im} \subseteq W$

Linear Algebra

$$x \cdot y = 0$$

Linear Algebra

$x \times y$

Linear Algebra

$$\|x\| = \sqrt{x_1^2 + x_2^2}$$

Linear Algebra

$$\begin{pmatrix} 1 & 0 \\ 0 & 1 \end{pmatrix}$$

Linear Algebra

$$A = U \Sigma V^T$$

Logic

$\forall x \in \mathbb{R}$

Logic

$\forall p$

Logic

$$p \wedge q \Rightarrow p$$

Logic

$p \Leftrightarrow q$

Logic

$p \Rightarrow q$

Logic

$$\neg(p \wedge q) \Leftrightarrow (\neg p) \vee (\neg q)$$

Logic

$p \vdash q$

Logic

$\Gamma \vDash \varphi$

Logic

$\top \neq \perp$

Logic

$\exists x: P(x)$

Logic

$\alpha \rightarrow \beta$

Logic

$$A \leq B \wedge B \leq C \Rightarrow A \leq C$$

Set Theory

$x \in A$

Set Theory

$x \notin A$

Set Theory

$A \subset B$

Set Theory

$A \subseteq B$

Set Theory

$A \supseteq B$

Set Theory

$A \cup B$

Set Theory

$A \cap B$

Set Theory

$A \setminus B$

Set Theory

$$\emptyset \subseteq A$$

Set Theory

$$\mathbb{R}^3 \subseteq \mathbb{C}^3$$

Set Theory

$$\mathbb{N} \subseteq \mathbb{Z} \subseteq \mathbb{Q} \subseteq \mathbb{R} \subseteq \mathbb{C}$$

Set Theory

$f: A \rightarrow B$

Set Theory

$f: A \rightarrow B$

Symbols and Operators

$$\alpha + \beta = \gamma$$

Symbols and Operators $\theta \neq \pi$

Symbols and Operators $\lambda \geq 0$

Symbols and Operators $u \leq v$

Symbols and Operators $\xi \approx \zeta$

Symbols and Operators $\phi \equiv \psi$

Symbols and Operators

$$x_0 < \infty$$

Symbols and Operators $\hbar \omega$

Symbols and Operators

$$\angle ABC = 90^\circ$$

Symbols and Operators $a \parallel b$

Symbols and Operators $| \perp m$

Symbols and Operators

$$\sqrt{x^2 + y^2}$$

Symbols and Operators

$$\sqrt[3]{x}$$

Symbols and Operators

$$\frac{a + b}{c - d}$$

Symbols and Operators

$$x + y + z^{\wedge}$$