

## 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	$\iint_A f(x, y) \, dx \, dy$
Calculus	$\iiint_V \rho(x, y, z) \, dV$
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	$\lim_{n \rightarrow \infty} \left(1 + \frac{1}{n}\right)^n = e$

Calculus	$\frac{d}{dx}(x^3) = 3x^2$
Calculus	$\nabla \cdot F = 0$
Calculus	$\nabla \times F = 0$
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	$Ax = b$
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	$\forall x \in \mathbb{R}, \exists y \in \mathbb{R}: y \geq x$
Logic	$\forall p, p \vee \neg p$

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	$\Gamma \models \phi$
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	$f: A \rightarrow B, x \mapsto f(x)$
Symbols and Operators	$\alpha + \beta = \gamma$
Symbols and Operators	$\theta \neq \pi$
Symbols and Operators	$\lambda \geq 0$
Symbols and Operators	$\mu \leq \nu$
Symbols and Operators	$\xi \approx \zeta$
Symbols and Operators	$\varphi \equiv \psi$
Symbols and Operators	$\aleph_0 < \infty$
Symbols and Operators	$\hbar \omega$
Symbols and Operators	$\angle ABC = 90^\circ$
Symbols and Operators	$a \parallel b$

Symbols and Operators	$l \perp m$
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	$\hat{x} + \tilde{y} + \bar{z}$