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Greek Letters η and μ
 Fraction $\frac{a}{ab}$
 Power a^b
 Subscript $a_b, \mu_{max}, \mu_{min}$
 Derivate $\frac{\partial y}{\partial t}$
 Vector \vec{n}
 Bold **n**
 To time differential \dot{F}
 Funktionaler Bereich: $\forall x \in X, \quad \exists y \leq \epsilon$
 Greek letters: $\alpha, A, \beta, B, \gamma, \Gamma, \pi, \Pi, \phi, \varphi, \mu, \Phi$
 Operator:

$$\cos(2\theta) = \cos^2 \theta - \sin^2 \theta$$

$$\lim_{x \rightarrow \infty} f(x) = 0$$

Power and indices: $k_{n+1} = n^2 + k_n^2 - k_{n-1}$

$$f(n) = n^5 + 4n^2 + 2|_{n=17}$$

Matrix (lcr here means left, center or right for each column)

$$\left[\begin{array}{ccc} a1 & b22 & c333 \\ d444 & e5555555 & f6 \end{array} \right]$$

Equations(here & is the symbol for aligning different rows)

$$a + b = c \tag{1}$$

$$d = e + f + g \tag{2}$$

$$\left\{ \begin{array}{l} a + b = c \\ d = e + f + g \end{array} \right.$$