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Greek Letters η and μ
Fraction $\frac{a}{b}$
Power a^b
Subscript a_b
Derivate $\frac{\partial y}{\partial t}$
Vector $\vec{n}$
Bold $\mathbf{n}$
To time differential $\dot{F}$
Matrix (lcr here means left, center or right for each column)

$$\begin{bmatrix} a1 & b22 & c333 \\ d444 & e555555 & f6 \end{bmatrix}$$

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

$$a + b = c \tag{1}$$
$$d = e + f + g \tag{2}$$

$$\begin{cases} a + b = c \\ d = e + f + g \end{cases}$$

$\mathbf{H}_w = \int_0^T e^{\mathbf{A}t}\mathbf{B}_w \, dt$
$\pi = \int_0^1 \frac{4}{1+x^2}$