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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 **n**

To time differential \dot{F}

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

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

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

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

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

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