

Chapter 1

Latex Equation

1.1 Newton's 2nd Law

Let x_t be a function of time, we have:

$$F = m \cdot \frac{d^2 x(t)}{dt^2}$$

Where $a = \frac{d^2 x(t)}{dt^2}$

Here we have a multi-line equation:

$$A = \begin{bmatrix} 1 & 0 & 0 \\ 0 & 1 & 0 \\ 0 & 0 & 1 \end{bmatrix}$$