

MRU:

$$x = x_0 + vt$$

MRUA:

$$v = v_0 + at$$

$$x = x_0 + v_0t + \frac{1}{2}at^2$$

MAS:

$$y = A\sin(\omega t + \phi_0)$$

$$v = \omega A\cos(\omega t + \phi_0)$$

$$a = -\omega^2 y$$

$$F = -ky$$

Tiro parabólico:

$$v_x = v_0\cos\theta$$

$$v_y = v_0\sin\theta$$

Eje x: MRU; eje y: MRUA (caída libre)

MCU:

$$\phi = \phi_0 + \omega t$$

$$v = \omega r$$

$$T = \frac{2\pi}{\omega}$$

$$v = \frac{1}{T}$$

$$a_n = \omega^2 r$$