

Fisica formulas

FORMAULAS

$$v_m = d/t$$

$$V_m = d/t$$

$$a = (v_f - v_0) / (t_f - t_0) \text{ (m/s}^2\text{)}$$

$$\text{Area triangulo} = b \times h/2 \quad \text{cuadrado} = b \times h \quad \text{trapecio} = (b_1 + b_2/2) \times h$$

Relacion entre

$$\text{velocidad i tiempo} \rightarrow v_f = at + v_0 \text{ m/s}$$

$$\text{dist i tiempo} \rightarrow d = v_0 t + at^2/2$$

$$\text{velocidad i dist} \rightarrow v_f^2 - v_0^2 = 2ad$$

$$F_N = f_1 + f_2 + f \dots$$

$$F_N = M \times A$$

$$\text{Peso} = m \times g$$

$$\text{km/h} \rightarrow \text{m/s} : 3,6$$

$$\text{m/s} \rightarrow \text{k/h} \times 3,6$$

$$\text{roce} \rightarrow m \times \text{normal} (m = \text{tipo d superficie})$$

$$\text{impulso} = f \times t \text{ (NS)}$$

$$\text{momentum} = P = m \times V \text{ (kgm/s)}$$

$$\text{Torque} = \tau = f \times g \text{ (nm)}$$

$$\text{trabajo} = f \times d \text{ (joule) (w)}$$

$$W_{\text{NETO}} = w_{f1} + w_{f2} + w_{f..}$$

$$n \text{ altura} = m \times g \times h$$

$$\text{potencia } P = W/T \text{ (watts)}$$

$$e_{pg} = m \times g \times h$$

$$e_m = e_c + e_{pg}$$

$$e_c = mv^2/2$$