Osciletorio

sertido opuesto
$$- V. \Delta X = m. X$$

Unidades:

Cte elertica:

Perodo

Frec. Angular

$$\omega: \frac{1}{s}$$

Frec. ?

$$f: \frac{1}{5} = Hz$$

Velocidad Angular

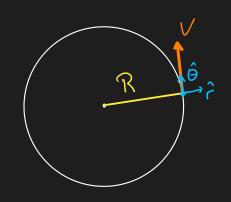
$$\omega = \frac{V_L}{R}$$

$$\omega = \frac{V_L}{R} \qquad [\omega] = \frac{1}{s}$$

Velocidad Lineal

$$[V_L] = \frac{m}{s}$$

Aceleración Radial/Centripeta



$$\left[\text{acen} \right] = \frac{\text{m}}{\text{S}^{2}}$$

Aceleración Targencia

$$a_{tsn} = R \cdot \theta$$

Aceleración:

$$\overline{\alpha} = -R. \omega^2. \hat{r} + R. \theta - \hat{\theta}$$

Energis

Trababo [W] = N.m = J

Enorgia Roten cial Elastica

$$E_{P} = \frac{1}{2} k \cdot (\Delta x)^{2}$$