

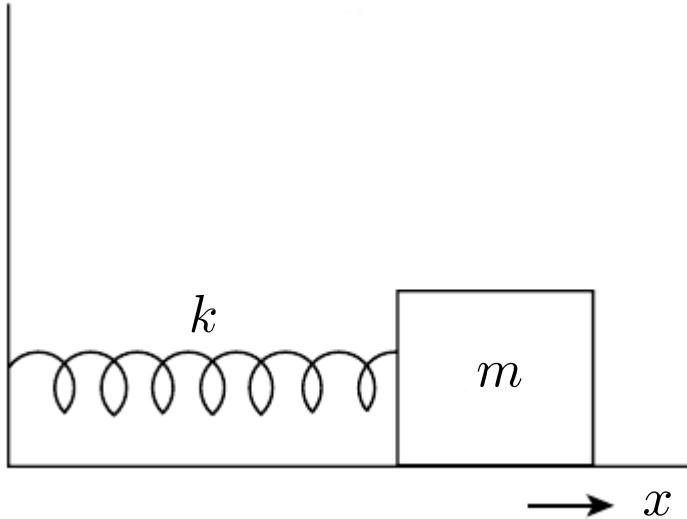
OSILASI HARMONIK SEDERHANA

SIMPLE HARMONIC MOTION (SHM)

mampu menjelaskan dan
menurunkan model matematis
#tujuan

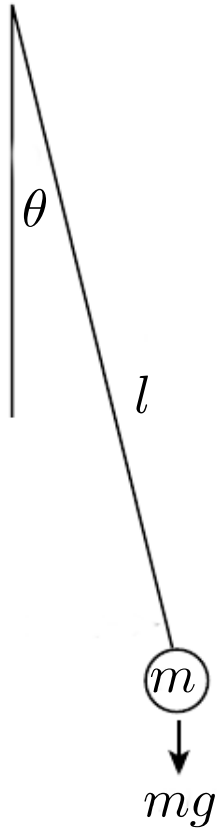


sistem massa pegas



$$\ddot{x} + \frac{k}{m}x = 0 \quad \text{persamaan gerak}$$

$$\omega^2 = \frac{k}{m} \quad \text{angular frequency}$$



sistem pendulum

$$\ddot{\theta} + \frac{g}{l}\theta = 0 \quad \text{persamaan gerak}$$

$$\omega^2 = \frac{g}{l} \quad \text{angular frequency}$$