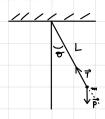
E SERCITAZIONE

ESERCIZIO 1



Considerando picade oscillarioni:

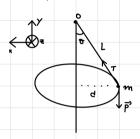
$$\begin{cases}
- \text{ mg sin } 5 = \text{ m} \perp \frac{d^2 \sigma(\epsilon)}{d\epsilon^2} & \frac{d^2 \circ c_0}{d\epsilon^2}, \frac{1}{2}
\end{cases}$$

$$\frac{dt^{2}}{dt^{2}} * \underbrace{\mathbb{E}}_{\Phi(t)} \circ O \longrightarrow O(e): \theta(0) cos \left(\sqrt{\frac{4}{L}} t\right)$$

Il periodo serã:
$$T = 2\pi \sqrt{\frac{L}{g}} = 3$$

$$\begin{cases} n T = 61 \text{ min} \rightarrow \frac{T}{T} = \frac{60}{64} = \sqrt{\frac{L'}{L}} \implies L' = \left(\frac{60}{64}\right)^2 L \end{cases}$$

E SERCIEIO 2



$$d? \quad T? \qquad m \cdot 5 k_g \quad L = 5 m \quad w = 1,5 \quad \frac{\tau_{ad}}{s} \quad comb \quad \tau$$

$$d? \quad T? \qquad m \cdot 5 k_g \quad L = 5 m \quad w = 1,5 \quad \frac{\tau_{ad}}{s} \quad comb \quad \tau$$

$$d \quad m_g \cdot T = m c^2 d \quad d \quad L = m c^2 d \quad d =$$