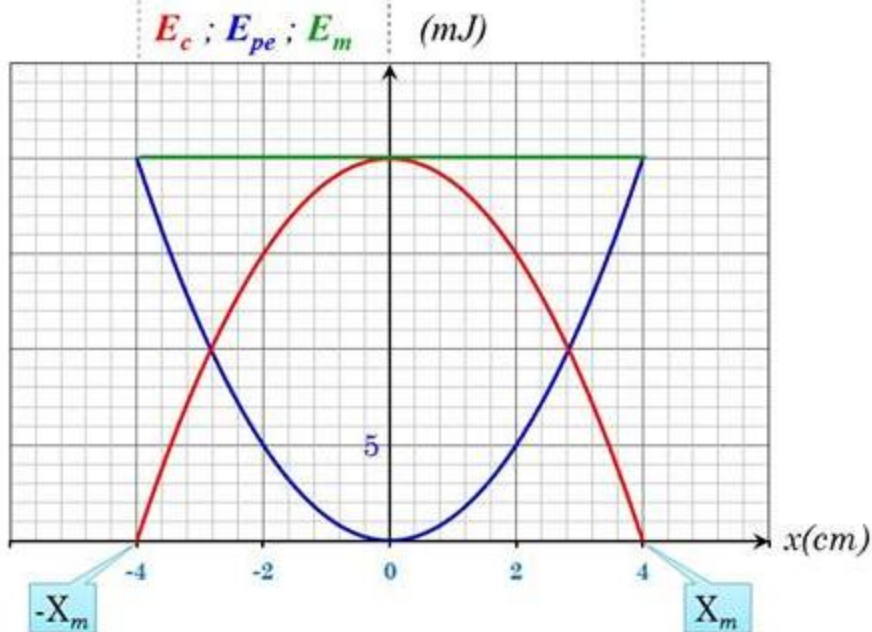
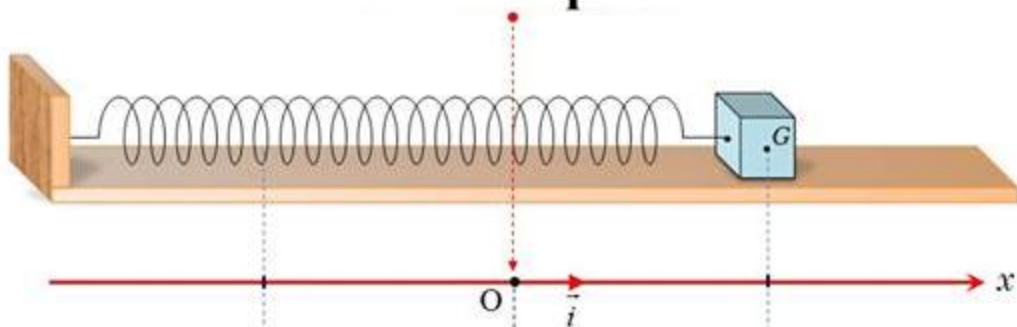


## Position d'équilibre



$$\odot E_m = E_c + E_{pe} = \frac{1}{2} m \cdot v^2 + \frac{1}{2} K \cdot x^2 = \text{cte}$$

$$\odot E_m = E_{c,\text{max}} = \frac{1}{2} m \cdot v_{\text{max}}^2 \Rightarrow E_{pe} = 0$$

$$\odot E_m = E_{pe,\text{max}} = \frac{1}{2} K \cdot X_{\text{max}}^2 \Rightarrow E_c = 0$$