

Grupa B

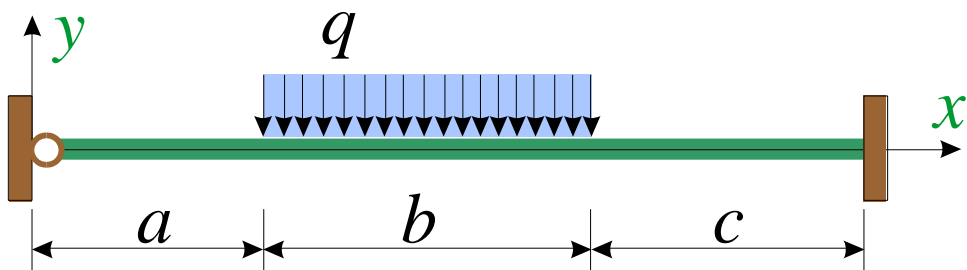
Zad. 3

$$q := 5 \frac{\text{kN}}{\text{m}} \quad a := 2\text{m} \quad b := 4\text{m} \quad \underline{c} := 3\text{m} \quad \underline{L} := a + b + c$$

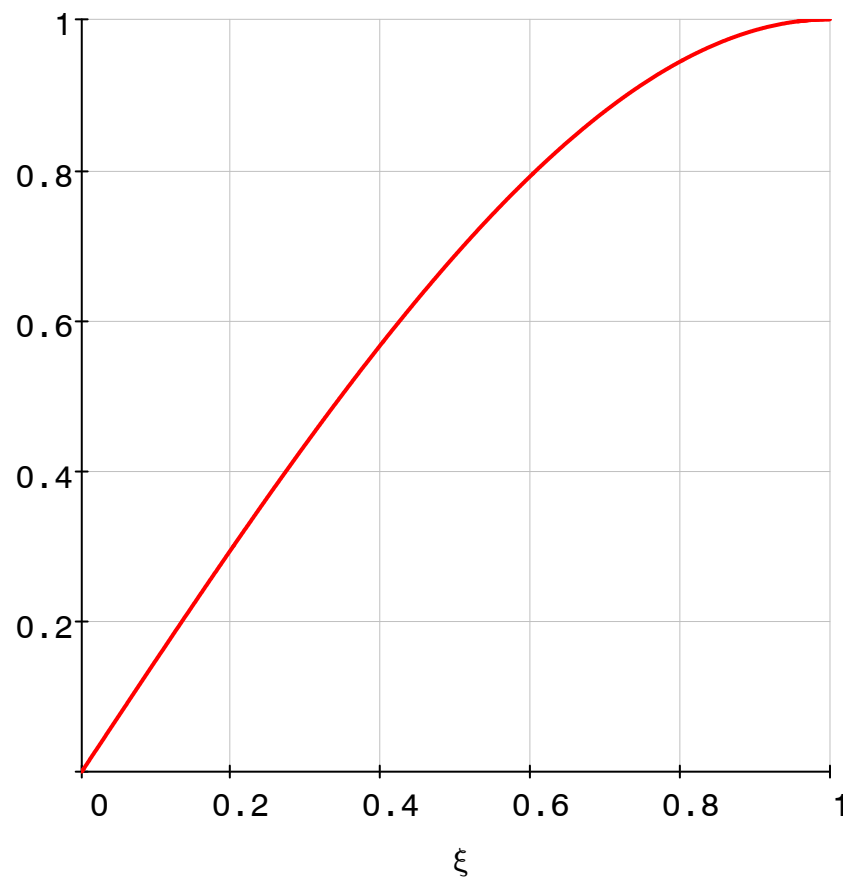
$$\xi_1 := \frac{a}{L} = 0.222222$$

$$\xi_2 := \frac{a + b}{L} = 0.666667$$

$$K0010(\xi) := \frac{\xi}{2} \cdot (3 - \xi^2)$$



K0010 (ξ)



Równanie pracy wirtualnej

$$R_j \cdot 1 - q \cdot L \cdot \int_{\xi_1}^{\xi_2} K0010(\xi) d\xi = 0$$

$$R_j := q \cdot L \cdot \int_{\xi_1}^{\xi_2} K0010(\xi) d\xi = 12.236 \cdot \text{kN}$$