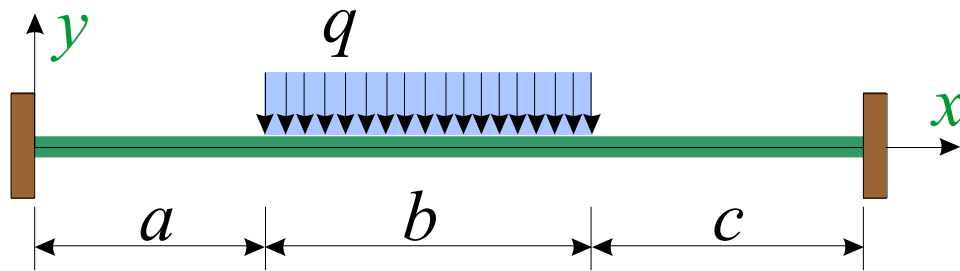


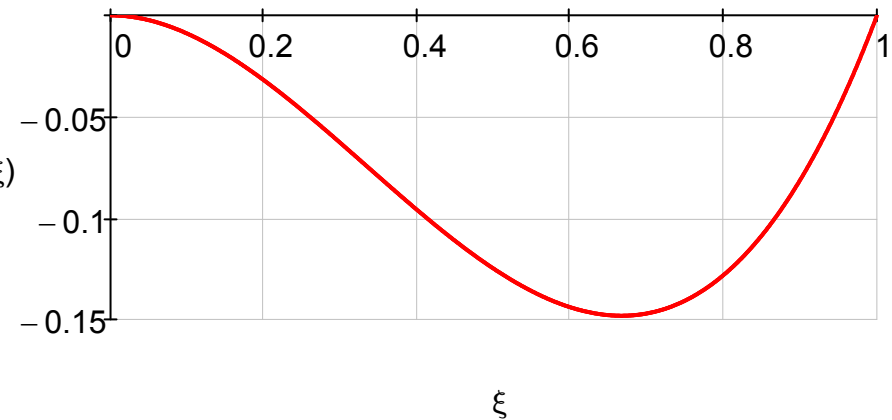
Zad. 3 Grupa A

$$q := 6 \frac{\text{kN}}{\text{m}} \quad a := 1\text{m} \quad b := 3\text{m} \quad \underline{c} := 2\text{m} \quad \underline{L} := a + b + c$$

$$\xi_1 := \frac{a}{L} = 0.166667 \quad \xi_2 := \frac{a+b}{L} = 0.666667$$



$$H0001(\xi) := -\xi^2 \cdot (1 - \xi)$$



Równanie pracy wirtualnej

$$-M_j \cdot 1 - q \cdot L^2 \cdot \int_{\xi_1}^{\xi_2} H0001(\xi) d\xi = 0$$

$$M_j := -q \cdot L^2 \cdot \int_{\xi_1}^{\xi_2} H0001(\xi) d\xi = 10.38 \text{ m} \cdot \text{kN}$$