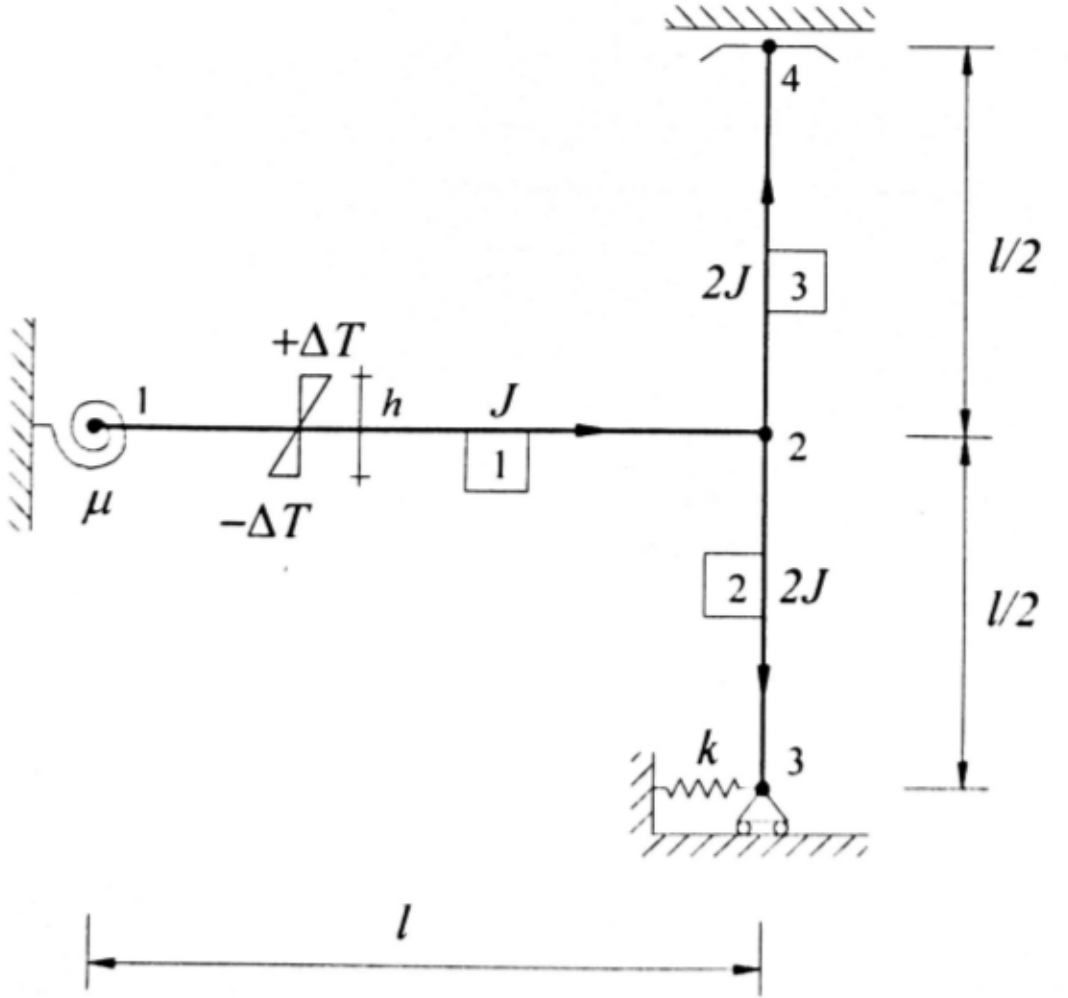

$l = 6.00\ \text{m}$

$h = 0.50\ \text{m}$

$J = 2.88 \times 10^9\ \text{mm}^4$

$EA = \infty$

$E = 30000\ \text{N/mm}^2$

$\alpha = 10^{-5}\text{°C}^{-1}$

$\Delta T = 10°C$

$$k = \frac{EJ}{l^3} = 400\ \text{kN/m}$$

$$\mu = \frac{3EJ}{l} = 43200\ \text{kN} \times \text{m}$$