



Moment of Inertia about A:

$$I_A = \sum_{i=1}^4 m_i r_i^2$$

$$r_1 = 0, \quad r_2 = 0.1\text{m}, \quad r_3 = \sqrt{(0.1)^2 + (0.08)^2} = 0.128\text{m}$$

$$r_4 = 0.08$$

So:

$$\begin{aligned} I_A &= m_1(0)^2 + m_2(0.1)^2 + m_3(0.128)^2 + m_4(0.08)^2 \\ &= \underline{0.0066 \text{ kg m}^2} \end{aligned}$$