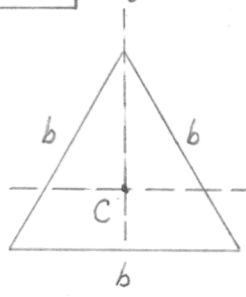


A/18



From Sample Problem A/2

$$\bar{I}_x = \frac{1}{36} b \left(b \frac{\sqrt{3}}{2} \right)^3 = \frac{b^4}{96} \sqrt{3}$$

$$\bar{I}_y = 2 \left(\frac{1}{12} b \frac{\sqrt{3}}{2} \left[\frac{b}{2} \right]^3 \right) = \frac{b^4}{96} \sqrt{3}$$

$$\bar{J} = \bar{I}_x + \bar{I}_y = \frac{b^4}{48} \sqrt{3}$$

$$\bar{K} = \sqrt{\bar{J}/A} = \sqrt{\frac{b^4 \sqrt{3}}{48} / \left(\frac{b^2 \sqrt{3}}{4} \right)} = \underline{\underline{\frac{b}{2\sqrt{3}}}}$$

WILEY