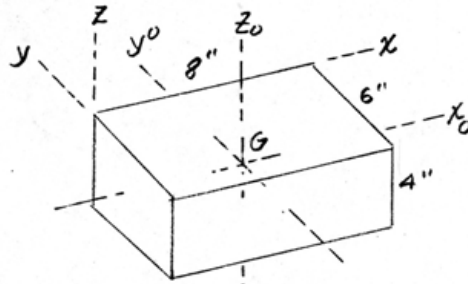


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$$m = \frac{50}{32.2} \frac{1}{12} = 0.1294 \text{ lb-in}^{-1}\text{-sec}^2$$



$$I_{xy} = I_{x_0 y_0} + m d_x d_y = 0 + 0.1294 (4)(-3) = \underline{-1.553 \text{ lb-in.-sec}^2}$$

$$I_{yz} = I_{y_0 z_0} + m d_y d_z = 0 + 0.1294 (-3)(-2) = \underline{0.776 \text{ lb-in.-sec}^2}$$

$$I_{xz} = I_{x_0 z_0} + m d_x d_z = 0 + 0.1294 (4)(-2) = \underline{-1.035 \text{ lb-in.-sec}^2}$$