

Parallel axis theorem

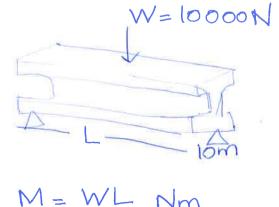
$$I = bd^3 + Ay^2$$

total = I-middle + 2 I-touter

$$\frac{bcl^3}{12} + Ay^2$$

$$= \frac{bx^3}{12} + 2\left(\frac{bx^3}{12} + \frac{bx^3}{12} + \frac{bx^3}{12}\right)$$

Assume



$$M = WL Nm$$

$$= WL * 1.0e^{3} Nmm$$

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$$max_{-}y = d/2$$

$$6 = M * max_{-}y$$

$$T_{-total}$$