



ENGINEERING MECHANICS

- STATICS

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ENGINEERING MECHANICS - STATICS

DISTRIBUTED FORCES

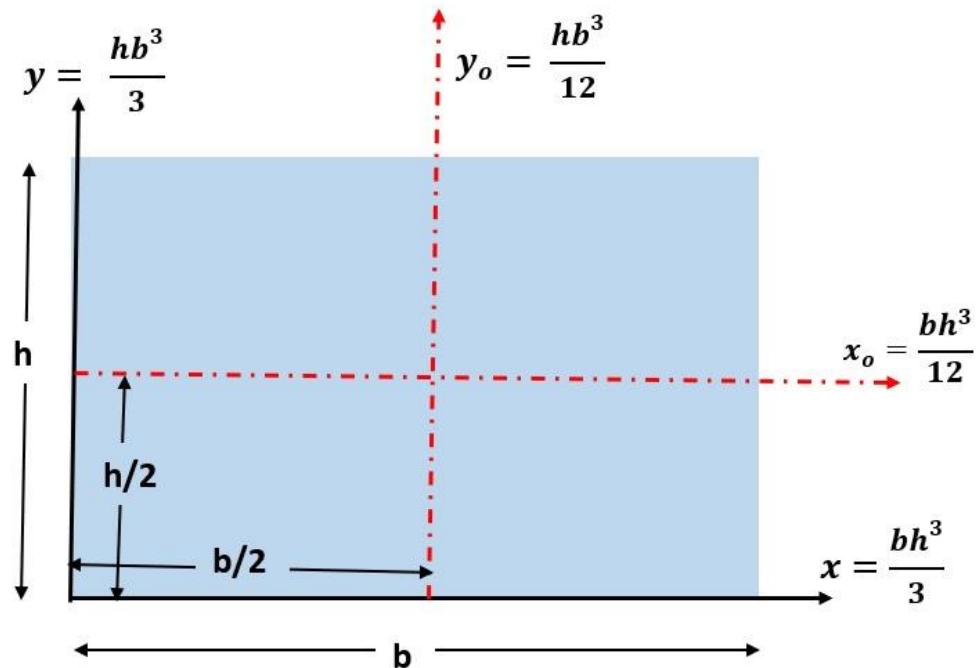
Session- 6

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Moment of Inertia

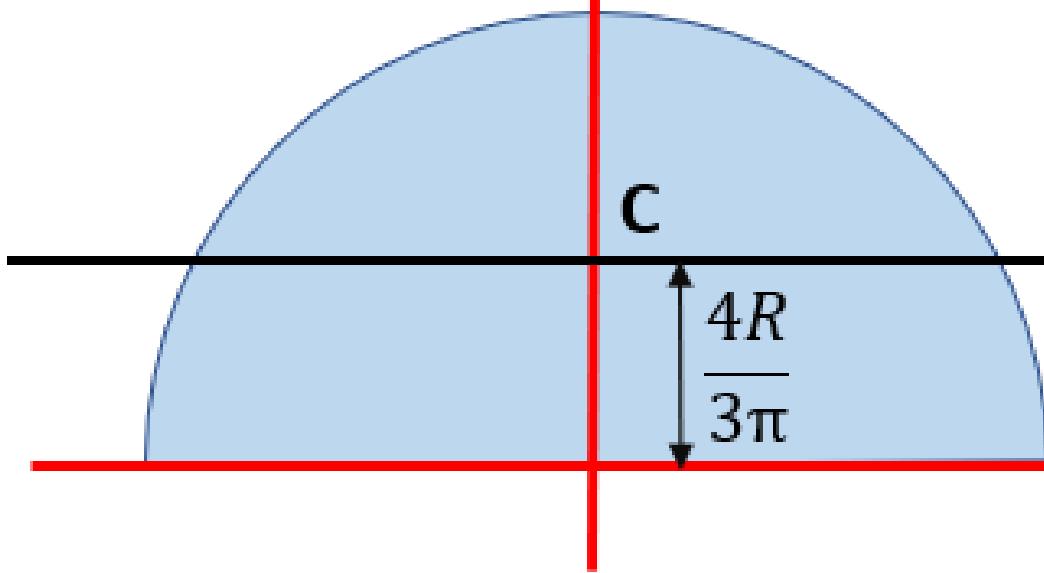
Moment of Inertia of a rectangular lamina about its centroidal axis



Moment of Inertia

Moment of Inertia of a semi Circle about its centroidal axis

$$I_y = \frac{\pi R^4}{8}$$

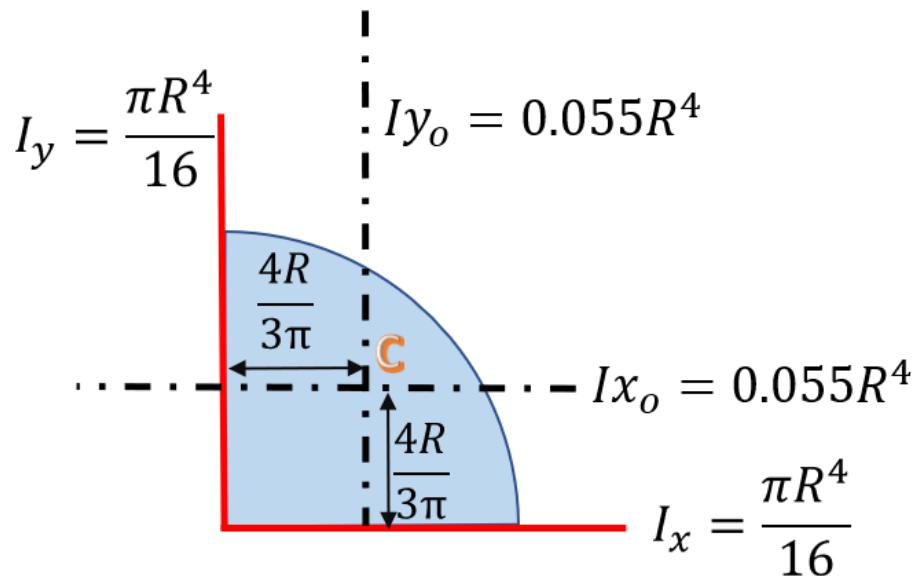


$$Ix_o = 0.11R^4$$

$$I_x = \frac{\pi R^4}{8}$$

Moment of Inertia

Moment of Inertia of a Quarter Circle about its centroidal axis





THANK YOU

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