



ALUMNO(A): FANI DE LOS ANGELES JIMENEZ HERNANDEZ

DOCENTE: PEDRO ALBERTO GARCIA LOPEZ

MATERIA: ESTATICA DE LA ARQUITECTURA

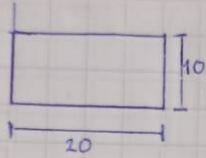
ACTIVIDAD: INERCIA

PASIÓN POR EDUCAR

CUATRIMESTRE: 3

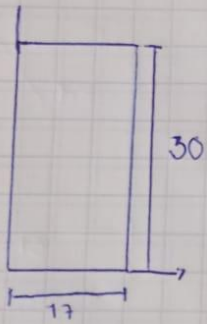
GRUPO: LAR04EMC0121-A

LUGAR Y FECHA: COMITAN DE DOMINGUEZ CHIAPAS, A; 31 DE JULIO DE 2022



$$\bar{I}_x = \frac{20 \text{ cm} (10 \text{ cm})^3}{12} = 1.666.66 \text{ cm}^4$$

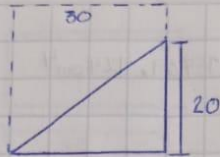
$$\bar{I}_y = (20 \text{ cm})^3 \frac{10 \text{ cm}}{12} = 6.666.66 \text{ cm}^4$$



$$\bar{I}_x = \frac{17 (30 \text{ cm})^3}{12} = 38.250 \text{ cm}^4$$

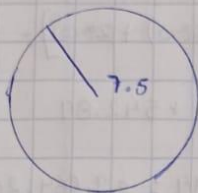
$$\bar{I}_y = \frac{(17 \text{ cm})^3}{12} 30 \text{ cm} = 12.282.5 \text{ cm}^4$$

v



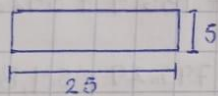
$$\bar{I}_x = \frac{30(20)^3}{36} = 6,666.66 \text{ cm}^4$$

$$\bar{I}_y = \frac{(30)^3 20}{36} = 15,000 \text{ cm}^4$$



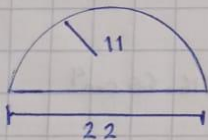
15

$$\bar{I}_x = \bar{I}_y = \frac{3.1416 (7.5 \text{ cm})^4}{4} = 2,435.0541 \text{ cm}^4$$



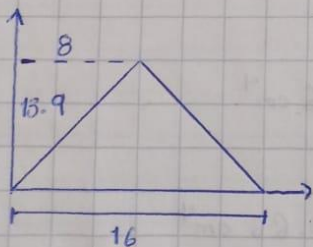
$$\bar{I}_x = \frac{25 \text{ cm} (5 \text{ cm})^3}{12} = 260.41 \text{ cm}^4$$

$$\bar{I}_y = \frac{(25 \text{ cm})^3 5 \text{ cm}}{12} = 6,510.41 \text{ cm}^4$$



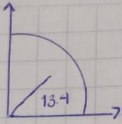
22

$$\bar{I}_x = 0.1098 (11)^4 = 1,607.6818 \text{ cm}^4$$

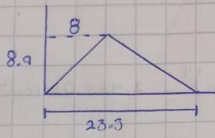


$$\bar{I}_x = \frac{16 (13.9)^3}{36} = 1,193.608 \text{ cm}^4$$

$$\bar{I}_y = \frac{(16)^3 13.9}{48} = 1,186.133 \text{ cm}^4$$



$$\bar{I}_x = \bar{I}_y = 0.05488 (13.4)^4 = 1,769.129 \text{ cm}^4$$



$$\bar{I}_y = \frac{23.3 (8.9 \text{ cm})}{3} [(8)^2 - (8)(23.3) + 23.3^2] =$$

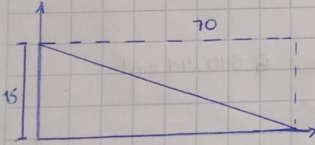
$$69.12 \text{ cm} \cdot 64 = 136.4 + 542.89$$

$$69.12 \text{ cm} \times 420.49 = 29,064.26 \text{ cm}^2$$

$$\bar{I}_y = \frac{23.3 (8.9 \text{ cm})}{3} [(8)^2 + (8)(23.3) + (23.3)^2] =$$

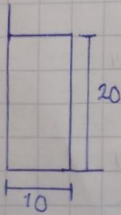
$$69.12 \text{ cm} \cdot 64 + 136.4 + 642.89$$

$$69.12 \text{ cm} \times 793.29 = 54,882.20 \text{ cm}^2$$



$$\bar{I}_x = \frac{70(15)^3}{36} = 6,662.5 \text{ cm}^4$$

$$\bar{I}_y = \frac{(70)^3 15}{36} = 142,916.66 \text{ cm}^4$$



$$\bar{I}_x = \frac{10 \text{ cm} (20)^3}{12} = 6,666.66 \text{ cm}^4$$

$$\bar{I}_y = \frac{(10 \text{ cm})^3 20 \text{ cm}}{12} = 1,666.66 \text{ cm}^4$$