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$$I_x = \int y^2 da$$

resultant of non concurrent force system engineering mechanics **2021** web where F_x component of forces in the x direction F_y component of forces in the y direction R_x component of the resultant in x direction R_y component of the resultant in y direction R magnitude of the resultant θ angle made from the x axis M_o moment of forces about any point o d moment arm m r moment at a point due to

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