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inersia adalah kg m^2 pada benda pejal besar momen inersia dapat dihitung sebagai distribusi massa benda dikalikan dengan jarak sumbu putar sedangkan untuk rumus momen inersia benda tegar adalah sebagai berikut

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membuat titik berat pita menentukan momen terhadap sumbu x m_x dan sumbu y m_y selanjutnya menghitung titik berat tersebut dengan integral 4 untuk menghitung momen inersia langkahnya dimulai dengan membuat pita sejajar dengan garis l sumbu x dan titik berat pita kemudian dibentuk hasil kali luas

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titik beratnya berjarak sama dari sumbu dasar maka titik berat gabungannya juga akan sama. Rumus umum mencari titik berat gabungan penampang berlaku juga untuk sumbu y.

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