9.5: Parallel Axis Theorem

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Definition: (Parallel Axis Theorem) The **parallel axis theorem** state that if we have a moment of inertia about center of mass of a body, I_{cm} , then the moment of inertia about any other axis parallel to the first, I_P is given by

$$I_P = I_{cm} + md^2$$

where m is the mass of the body and d is the distance between the two.