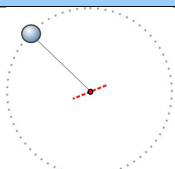
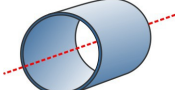
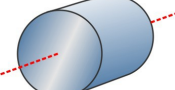
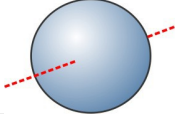
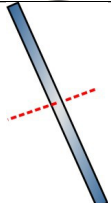
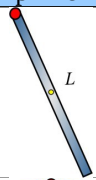
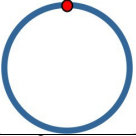
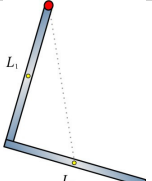


VZTRAJNOSTNI MOMENT TELES

primer		Vztrajnostni moment
Majhna kroglica z maso m kroži v razdalji r od osi.		$J = mr^2$
Tanek obroč (cev) z maso m in polmerom r se vrti okoli simetrijske osi.		$J = mr^2$
Valj z maso m in polmerom r se vrti okoli simetrijske osi.		$J = \frac{1}{2} mr^2$
Krogla z maso m in polmerom r se vrti okoli središča.		$J = \frac{2}{5} mr^2$
Palica z maso m in dolžino L se vrti okoli težišča; os vrtenja je pravokotna na palico.		$J = \frac{1}{12} mL^2$

primer	vztrajnostni moment
	$J = \frac{1}{12} mL^2 + m\left(\frac{L}{2}\right)^2 = \frac{1}{3} mL^2$
	$J = mr^2 + mr^2 = 2mr^2$
	$J = J_1 + J_2$ $J = \frac{1}{12} m_1 L_1^2 + m_1 \left(\frac{L_1}{2}\right)^2 + \frac{1}{12} m_2 L_2^2 + m_2 (L_1^2 + (L_2/2)^2)$