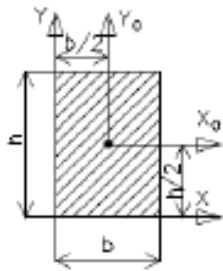
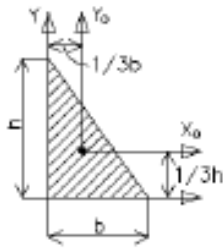
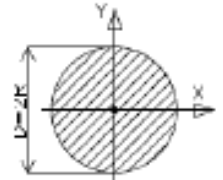
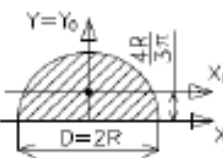
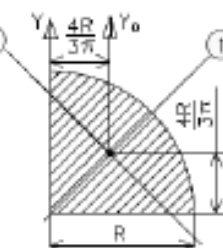


Momenty bezwładności figur prostych

Figura	J_x	J_y	J_{xy}
	$J_{x_0} = \frac{bh^3}{12}$ $J_x = \frac{bh^3}{3}$	$J_{y_0} = \frac{hb^3}{12}$ $J_y = \frac{hb^3}{3}$	$J_{x_0y_0} = 0$ $J_{xy} = \frac{b^2h^2}{4}$
	$J_{x_0} = \frac{bh^3}{36}$ $J_x = \frac{bh^3}{12}$	$J_{y_0} = \frac{hb^3}{36}$ $J_y = \frac{hb^3}{12}$	$J_{x_0y_0} = -\frac{b^2h^2}{72}$ $J_{xy} = \frac{b^2h^2}{24}$
	$J_x = \frac{\pi D^4}{64} =$ $= \frac{\pi R^4}{4}$	$J_y = \frac{\pi D^4}{64} =$ $= \frac{\pi R^4}{4}$	$J_{xy} = 0$
	$J_{x_0} = \frac{D^4}{16} \left(\frac{\pi}{8} - \frac{8}{9\pi} \right) =$ $\approx 0,00686D^4 =$ $\approx 0,1098R^4$ $J_x = \frac{\pi D^4}{128} = \frac{\pi R^4}{8}$	$J_y = \frac{\pi D^4}{128} =$ $= \frac{\pi R^4}{8}$	$J_{xy} = 0$ $J_{x_0y_0} = 0$
	$J_{x_0} = R^4 \left(\frac{\pi}{16} - \frac{4}{9\pi} \right) =$ $\approx 0,0549R^4$ $J_x = \frac{\pi D^4}{256} = \frac{\pi R^4}{16}$	$J_y = \frac{\pi R^4}{16}$	$J_{xy} = \frac{R^4}{8}$ $J_{x_0y_0} = \frac{R^4}{8} -$ $\frac{4R^4}{9\pi} =$ $= -0,0165R^4$