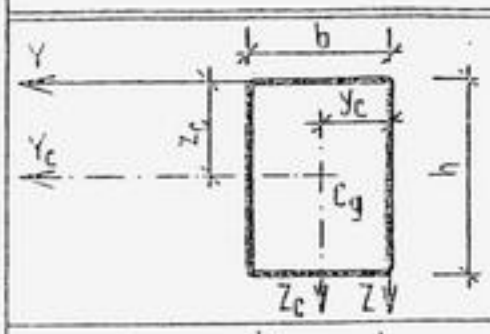
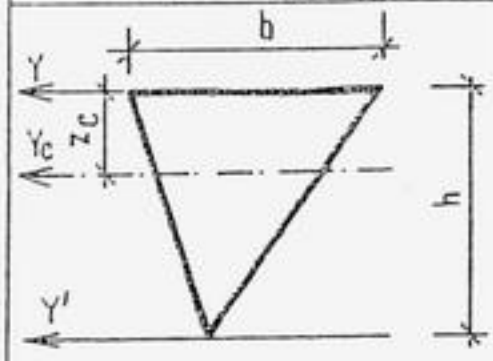
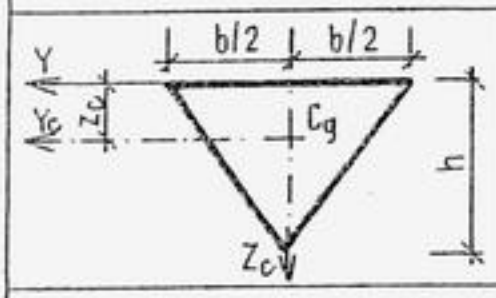
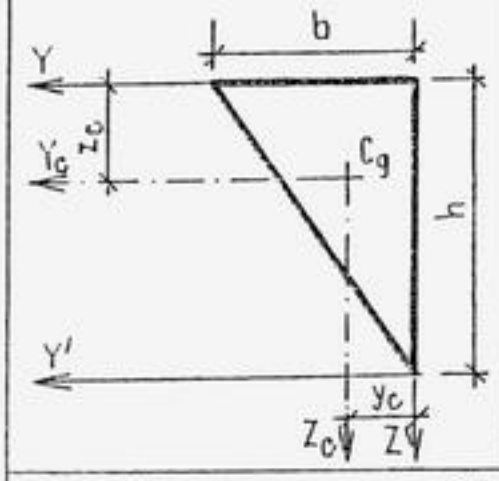
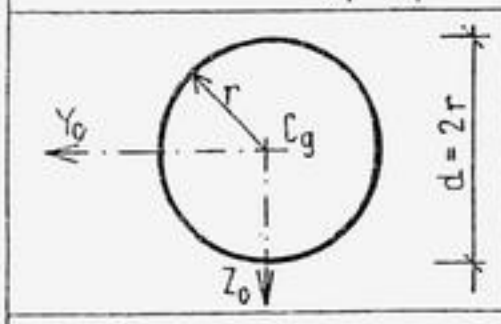
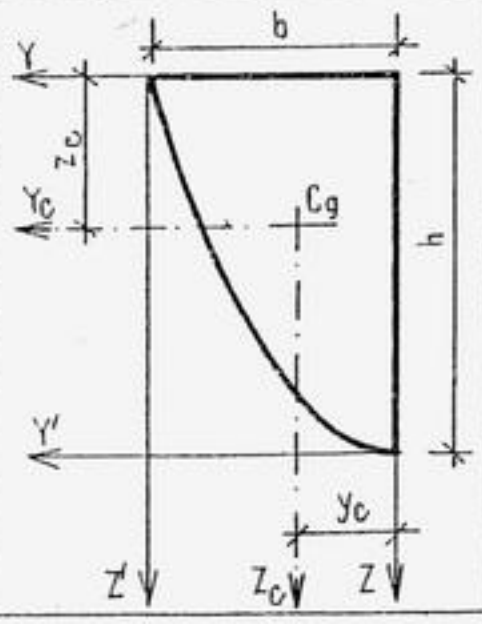
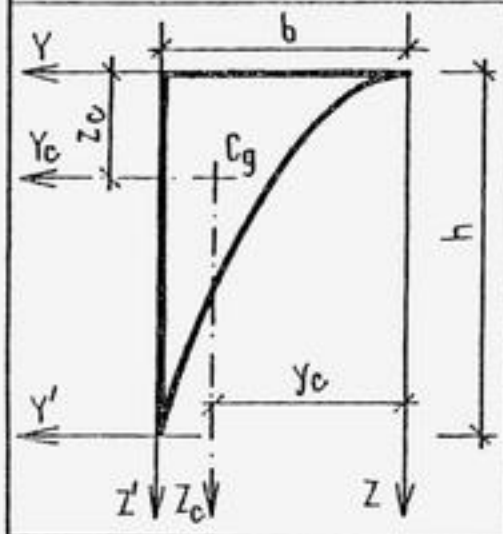
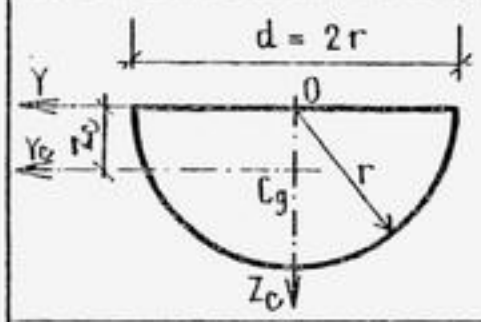
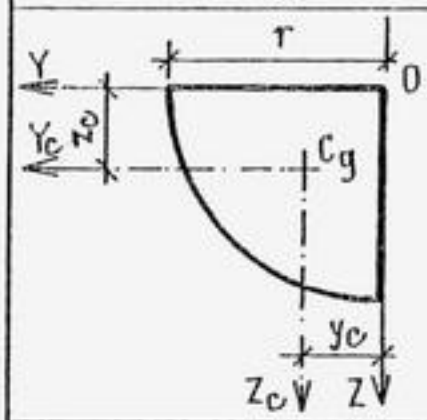
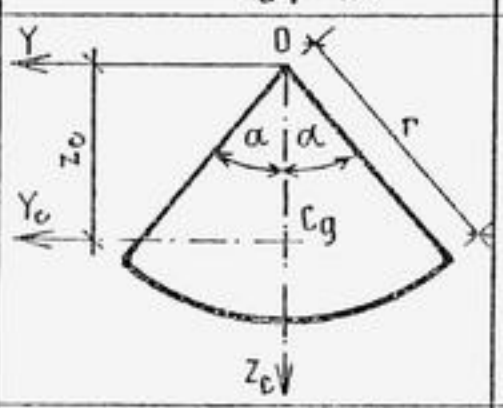
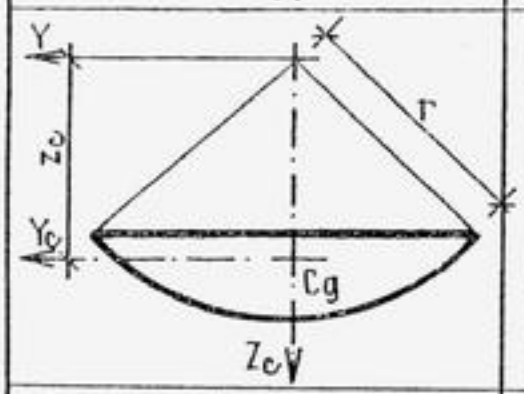
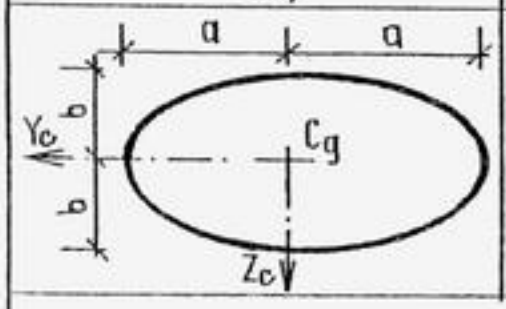
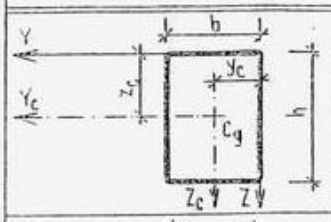
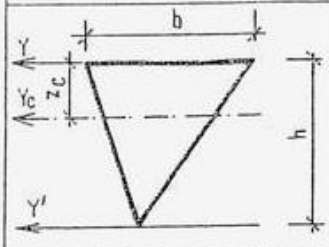
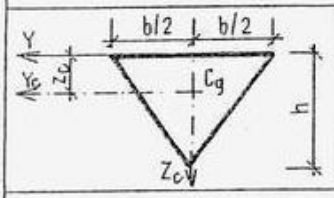
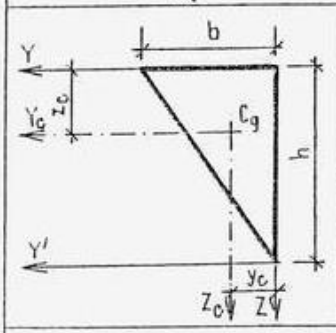
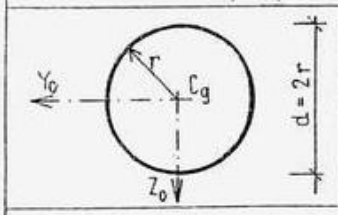
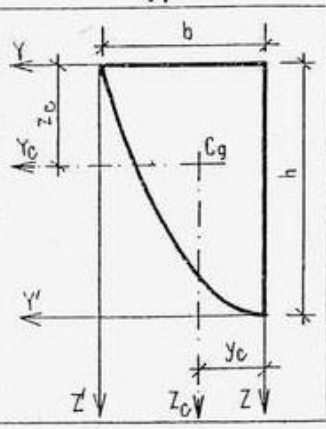
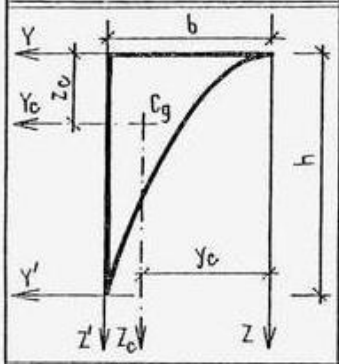
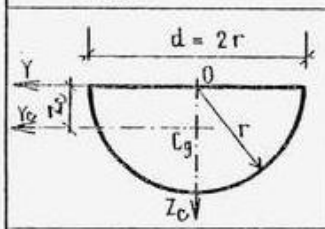
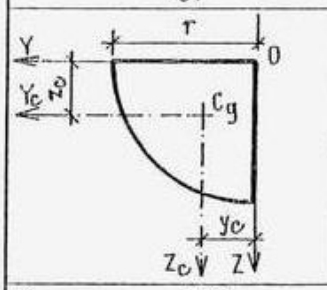
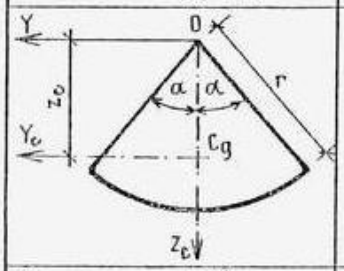
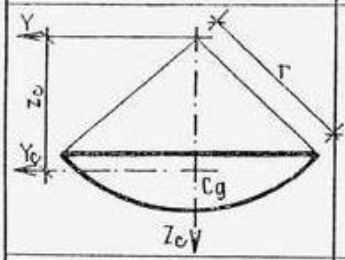
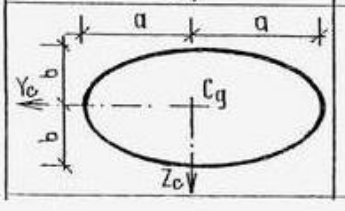
TVAR OBRAZCE	PLOCHA A	SOUŘADNICE TĚŽIŠTĚ $C_g(y_c, z_c)$	AXIÁLNÍ MOMENTY SETRVAČNOSTI I	DEVIAČNÍ MOMENTY D
	$A = bh$	$y_c = \frac{b}{2}$ $z_c = \frac{h}{2}$	$I_{Y_c} = \frac{bh^3}{12}$, $I_{Z_c} = \frac{hb^3}{12}$ $I_Y = \frac{bh^3}{3}$, $I_Z = \frac{hb^3}{3}$	$D_{YZ} = \frac{b^2h^2}{4}$ $D_{Y_cZ_c} = 0$
	$A = \frac{bh}{2}$	$z_c = \frac{h}{3}$	$I_{Y_c} = \frac{bh^3}{36}$ $I_Y = \frac{bh^3}{12}$ $I_{Y'} = \frac{bh^3}{4}$	
	$A = \frac{bh}{2}$	$z_c = \frac{h}{3}$	$I_{Y_c} = \frac{bh^3}{36}$, $I_{Z_c} = \frac{hb^3}{48}$ $I_Y = \frac{bh^3}{12}$	$D_{Y_cZ_c} = 0$
	$A = \frac{bh}{2}$	$y_c = \frac{b}{3}$ $z_c = \frac{h}{3}$	$I_{Y_c} = \frac{bh^3}{36}$, $I_{Z_c} = \frac{hb^3}{36}$ $I_Y = \frac{bh^3}{12}$, $I_Z = \frac{hb^3}{12}$ $I_{Y'} = \frac{bh^3}{4}$	$D_{Y_cZ_c} = -\frac{b^2h^2}{72}$ $D_{YZ} = \frac{b^2h^2}{24}$ $D_{Y'Z} = -\frac{b^2h^2}{8}$ ZNAMÉNKA!
	$A = \pi r^2 = \frac{\pi d^2}{4} \doteq$ $\doteq 3{,}1416\, r^2 =$ $= 0{,}7854\, d^2$		$I_{Y_c} = I_{Z_c} = \frac{\pi r^4}{4} = \frac{\pi d^4}{64} \doteq$ $\doteq 0{,}7854\, r^4 =$ $= 0{,}0491\, d^4$	$D_{Y_cZ_c} = 0$
	$A = \frac{2}{3}\, bh$	$y_c = \frac{3}{8}\, b$ $z_c = \frac{2}{5}\, h$	$I_{Y_c} = \frac{8}{175} bh^3 \doteq 0{,}0457\, bh^3$ $I_{Z_c} = \frac{19}{480} hb^3 \doteq 0{,}0396\, hb^3$ $I_Y = \frac{16}{105} bh^3 \doteq 0{,}1524\, bh^3$ $I_Z = \frac{2}{15} hb^3 \doteq 0{,}1333\, hb^3$ $I_{Y'} = \frac{2}{7} bh^3 \doteq 0{,}2857\, bh^3$ $I_{Z'} = \frac{3}{10} hb^3 \doteq 0{,}3000\, hb^3$	

TVAR OBRAZCE	PLOCHA A	SOUŘADNICE TĚŽIŠTĚ $C_g(y_c, z_c)$	AXIÁLNÍ MOMENTY SETRVAČNOSTI I	DEVIAČNÍ MOMENTY D
	$A = \frac{bh}{3}$	$y_c = \frac{3}{4} b$ $z_c = \frac{3}{10} h$	$I_{Y_c} = \frac{37}{2\,100} bh^3 \doteq 0{,}0176\ bh^3$ $I_{Z_c} = \frac{1}{80} hb^3 \doteq 0{,}0125\ hb^3$ $I_Y = \frac{1}{21} bh^3 \doteq 0{,}0476\ bh^3$ $I_Z = \frac{1}{5} hb^3 \doteq 0{,}2000\ hb^3$ $I_{Y'} = \frac{19}{105} bh^3 \doteq 0{,}1810\ bh^3$ $I_{Z'} = \frac{1}{30} hb^3 \doteq 0{,}0333\ hb^3$	
	$A = \frac{\pi r^2}{2} = \frac{\pi d^2}{8} \doteq$ $\doteq 1{,}5708\ r^2 =$ $= 0{,}3927\ d^2$	$z_c = \frac{4r}{3\pi} = \frac{2d}{3\pi} \doteq$ $\doteq 0{,}4244\ r$	$I_{Y_c} = \left(\frac{\pi}{8} - \frac{8}{9\pi}\right) r^4 \doteq 0{,}1098\ r^4$ $I_Z = I_Y = \frac{\pi r^4}{8} = \frac{\pi d^4}{128} \doteq$ $\doteq 0{,}3928\ r^4 = 0{,}0246\ d^4$	$D_{Y_c Z_c} = 0$
	$A = \frac{\pi r^2}{4} = \frac{\pi d^2}{16} \doteq$ $\doteq 0{,}7854\ r^2 =$ $= 0{,}1964\ d^2$	$y_c = z_c =$ $= \frac{4r}{3\pi} = \frac{2d}{3\pi} \doteq$ $\doteq 0{,}4244\ r$	$I_{Y_c} = I_{Z_c} = \left(\frac{\pi}{16} - \frac{4}{9\pi}\right) r^4 =$ $\doteq 0{,}0549\ r^4$ $I_Y = I_Z = \frac{\pi r^4}{16} \doteq 0{,}1963\ r^4$	$D_{Y_c Z_c} = \left(\frac{1}{8} - \frac{4}{9\pi}\right) \cdot r^4 \doteq -0{,}0165\ r^4$ $D_{YZ} = \frac{r^4}{8}$ ZNAMÉNKA!
	$A = \widehat{\alpha}\ r^2 =$ $= \text{arc}\,\alpha\ r^2 =$ $= \frac{\alpha^\circ}{180^\circ} \pi r^2$	$z_c = \frac{2}{3} r \frac{\sin\alpha}{\widehat{\alpha}}$	$I_{Y_c} = r^4 \left(\frac{2\widehat{\alpha} + \sin 2\alpha}{8} - \frac{4\sin^2\alpha}{9\widehat{\alpha}}\right)$ $I_{Z_c} = \frac{r^4}{8}(2\widehat{\alpha} - \sin 2\alpha)$ $I_Y = \frac{r^4}{8}(2\widehat{\alpha} + \sin 2\alpha)$	$D_{Y_c Z_c} = 0$
	$A = r^2 \left(\widehat{\alpha} - \frac{\sin 2\alpha}{2}\right)$	$z_c = \frac{4r \sin^3\alpha}{3(2\widehat{\alpha} - \sin^2 2\alpha)}$	$I_{Y_c} = r^4 \left(\frac{4\widehat{\alpha} - \sin 4\alpha}{16} - \frac{4}{9} \frac{\sin^6\alpha}{\widehat{\alpha} - \sin 2\alpha}\right)$ $I_{Z_c} = \frac{r^4}{48}(12\widehat{\alpha} - 8\sin 2\alpha + \sin 4\alpha)$ $I_Y = \frac{r^4}{16}(4\widehat{\alpha} - \sin 4\alpha)$	$D_{Y_c Z_c} = 0$
	$A = \pi ab$		$I_{Y_c} = \frac{\pi}{4} ab^3$ $I_{Z_c} = \frac{\pi}{4} ba^3$	$D_{Y_c Z_c} = 0$

GEOMETRICKÉ CHARAKTERISTIKY ROVINNÝCH OBRAZCŮ

TVAR OBRAZCE	PLOCHA A	SOUŘADNICE TĚŽIŠTĚ $C_g(y_c, z_c)$
	$A = bh$	$y_c = \frac{b}{2}$ $z_c = \frac{h}{2}$
	$A = \frac{bh}{2}$	$z_c = \frac{h}{3}$
	$A = \frac{bh}{2}$	$z_c = \frac{h}{3}$
	$A = \frac{bh}{2}$	$y_c = \frac{b}{3}$ $z_c = \frac{h}{3}$
	$A = \pi r^2 = \frac{\pi d^2}{4} \doteq$ $\doteq 3{,}1416\, r^2 =$ $= 0{,}7854\, d^2$	
	$A = \frac{2}{3}\, bh$	$y_c = \frac{3}{8}\, b$ $z_c = \frac{2}{5}\, h$

TVAR OBRAZCE	PLOCHA A	SOUŘADNICE TĚŽIŠTĚ $C_g(y_c, z_c)$
	$A = \frac{bh}{3}$	$y_c = \frac{3}{4}\, b$ $z_c = \frac{3}{10}\, h$
	$A = \frac{\pi r^2}{2} = \frac{\pi d^2}{8} \doteq$ $\doteq 1{,}5708\, r^2 =$ $= 0{,}3927\, d^2$	$z_c = \frac{4r}{3\pi} = \frac{2d}{3\pi} \doteq$ $\doteq 0{,}4244\, r$
	$A = \frac{\pi r^2}{4} = \frac{\pi d^2}{16} \doteq$ $\doteq 0{,}7854\, r^2 =$ $= 0{,}1964\, d^2$	$y_c = z_c =$ $= \frac{4r}{3\pi} = \frac{2d}{3\pi} \doteq$ $\doteq 0{,}4244\, r$
	$A = \widehat{\alpha}\, r^2 =$ $= \operatorname{arc}\alpha\, r^2 =$ $= \frac{\alpha^\circ}{180^\circ}\, \pi r^2$	$z_c = \frac{2}{3}\, r\, \frac{\sin\alpha}{\widehat{\alpha}}$
	$A = r^2\left(\widehat{\alpha} - \frac{\sin 2\alpha}{2}\right)$	$z_c = \frac{4r}{3}\, \frac{\sin^3\alpha}{(2\widehat{\alpha} - \sin 2\alpha)}$
	$A = \pi\, ab$	