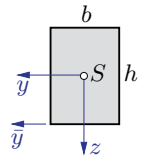
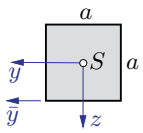
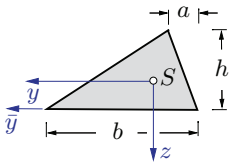
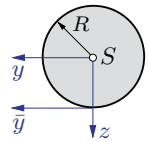
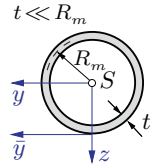
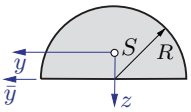
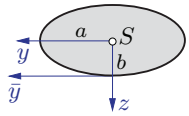
Tabelle 4.1. Flächenträgheitsmomente

Fläche	I_y	I_z	I_{yz}	I_p	$I_{\bar{y}}$
Rechteck 	$\frac{b\,h^3}{12}$	$\frac{h\,b^3}{12}$	0	$\frac{b\,h}{12}(h^2+b^2)$	$\frac{b\,h^3}{3}$
Quadrat 	$\frac{a^4}{12}$	$\frac{a^4}{12}$	0	$\frac{a^4}{6}$	$\frac{a^4}{3}$
Dreieck 	$\frac{b\,h^3}{36}$	$\frac{b\,h}{36}(b^2-b\,a+a^2)$	$-\frac{b\,h^2}{72}(b-2\,a)$	$\frac{b\,h}{36}(h^2+b^2-b\,a+a^2)$	$\frac{b\,h^3}{12}$

Kreis 	$\frac{\pi\,R^4}{4}$	$\frac{\pi\,R^4}{4}$	0	$\frac{\pi\,R^4}{2}$	$\frac{5\pi}{4}R^4$
dünner Kreisring $t \ll R_m$ 	$\pi\,R_m^3\,t$	$\pi\,R_m^3\,t$	0	$2\,\pi\,R_m^3\,t$	$3\,\pi\,R_m^3\,t$
Halbkreis 	$\frac{R^4}{72\,\pi}(9\,\pi^2-64)$	$\frac{\pi\,R^4}{8}$	0	$\frac{R^4}{36\,\pi}(9\,\pi^2-32)$	$\frac{\pi\,R^4}{8}$
Ellipse 	$\frac{\pi}{4}a\,b^3$	$\frac{\pi}{4}b\,a^3$	0	$\frac{\pi\,a\,b}{4}(a^2+b^2)$	$\frac{5\pi}{4}a\,b^3$