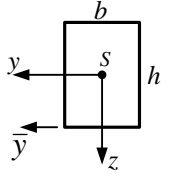
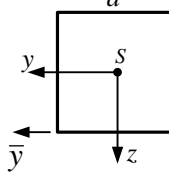
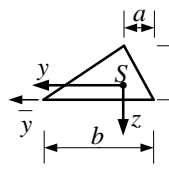
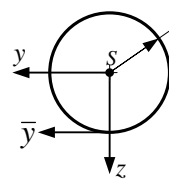
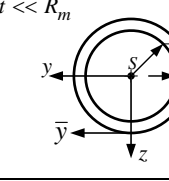
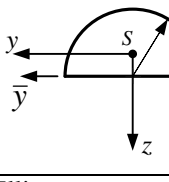
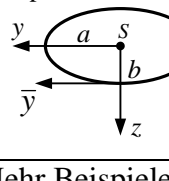


Flächenträgheitsmomente einiger Querschnitte:

| Fläche | I_y | I_z | I_{yz} | I_p | $I_{\bar{y}}$ |
|--|----------------------------------|---------------------------------|---------------------------|---------------------------------------|-----------------------|
| Rechteck  | $\frac{bh^3}{12}$ | $\frac{hb^3}{12}$ | 0 | $\frac{bh}{12}(h^2 + b^2)$ | $\frac{bh^3}{3}$ |
| Quadrat  | $\frac{a^4}{12}$ | $\frac{a^4}{12}$ | 0 | $\frac{a^4}{6}$ | $\frac{a^4}{3}$ |
| Dreieck  | $\frac{bh^3}{36}$ | $\frac{bh}{36}(b^2 - ba + a^2)$ | $\frac{bh^2}{72}(b - 2a)$ | $\frac{bh}{36}(h^2 + b^2 - ba + a^2)$ | $\frac{bh^3}{12}$ |
| 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  | $\frac{\pi}{4} ab^3$ | $\frac{\pi}{4} ba^3$ | 0 | $\frac{\pi ab}{4}(a^2 + b^2)$ | $\frac{5\pi}{4} ab^3$ |

Mehr Beispiele dazu, siehe: Schneider, Bautabellen, 21. Auflage, S. 4.28 – 4.29.