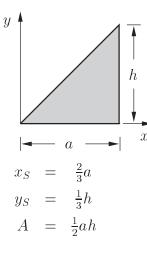
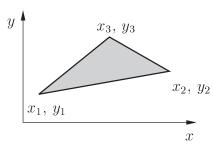
Tabelle von Schwerpunktskoordinaten

Flächen

Dreieck



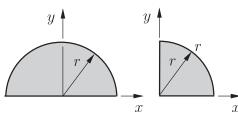


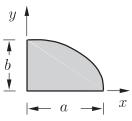
$$= \frac{\frac{1}{3}(x_1 + x_2 + x_3)}{\frac{1}{3}(y_1 + y_2 + y_3)}$$

$$= \frac{\frac{1}{2} \begin{vmatrix} x_2 - x_1 & y_2 - y_1 \\ x_3 - x_1 & y_3 - y_1 \end{vmatrix}$$

Halbkreis

Viertelkreis





$$x_S = 0 =$$

$$y_S = \frac{4}{3\pi} r =$$

$$A = \frac{\pi}{2} r^2 =$$

$$= 0$$

$$= \frac{3}{5} h$$

$$= \frac{4}{3} bh$$

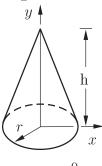
$$= \frac{4}{3\pi} a$$

$$= \frac{4}{3\pi} b$$

$$= \frac{\pi}{4} ab$$

Körper

Kegel

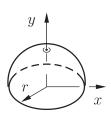


$$x_S = 0$$

$$y_S = \frac{1}{4} h$$

$$V = \frac{1}{4} \pi r^2 h$$

Halbkugel



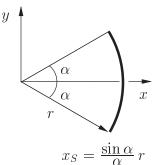
$$x_S = 0$$

$$y_S = \frac{3}{8}r$$

$$V = \frac{2}{3}\pi r^3$$

Linie

Kreisbogen



$$x_S = \frac{\sin \alpha}{\alpha} r$$

$$y_S = 0$$

$$l = 2\alpha r$$