

$$\text{vol_kegel}(d,h) := \pi \cdot \left(\frac{d}{2}\right)^2 \cdot \frac{h}{3} \quad \text{opp_kegelwand}(d,h) := \pi \cdot \left(\frac{d}{2}\right) \cdot \sqrt{\left(\frac{d}{2}\right)^2 + h^2}$$

$$\text{opp_halvebol}(d,h) := 2 \cdot \pi \cdot \left(\frac{d}{2}\right)^2 \quad \text{vol_halvebol}(d,h) := \frac{4}{6} \cdot \pi \cdot \left(\frac{d}{2}\right)^3$$

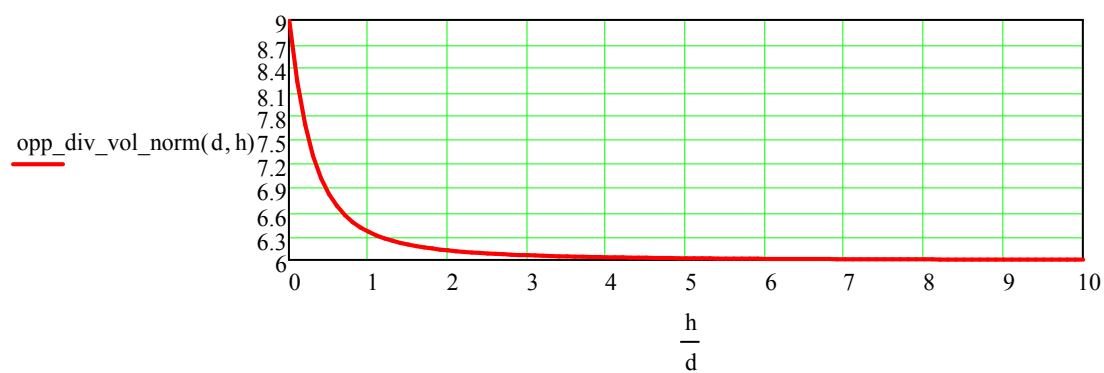
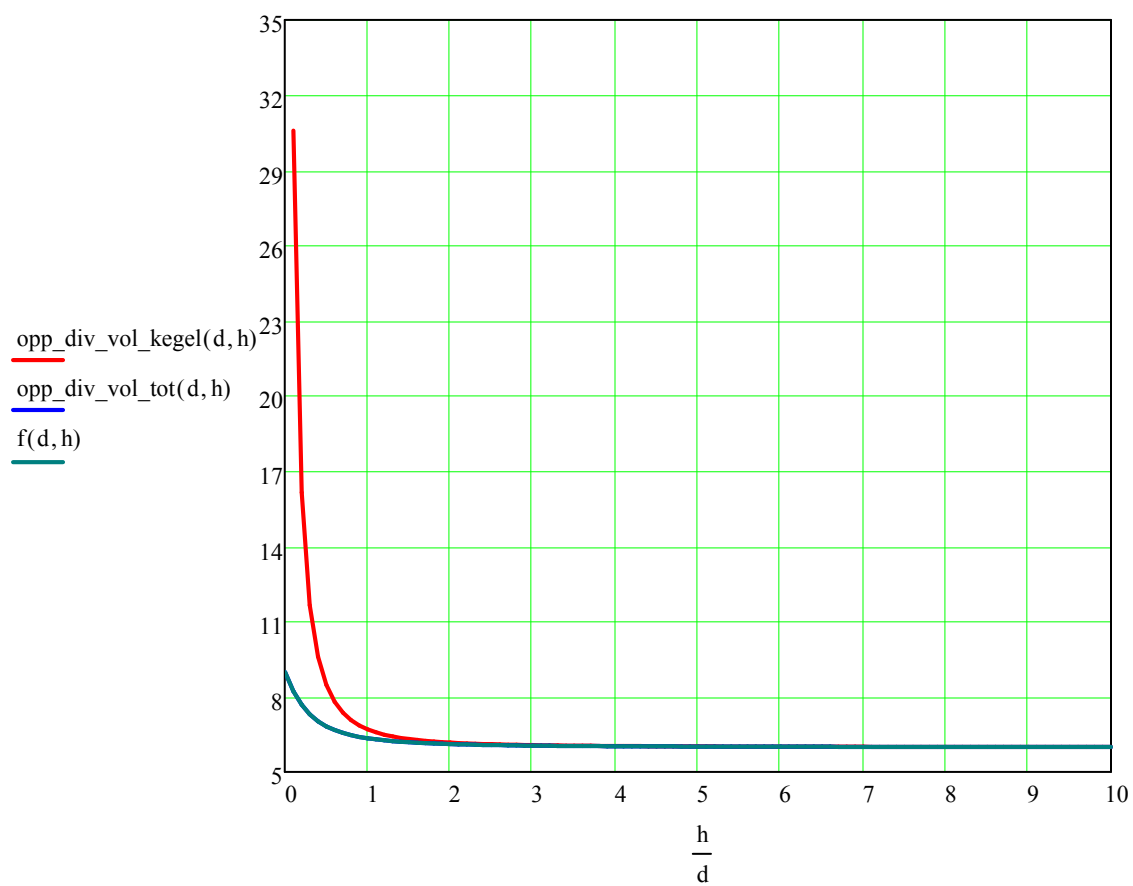
$$\text{opp_div_vol_kegel}(d,h) := \frac{\text{opp_kegelwand}(d,h)}{\text{vol_kegel}(d,h)}$$

$$\text{opp_div_vol_tot}(d,h) := \frac{\text{opp_halvebol}(d,h) + \text{opp_kegelwand}(d,h)}{\text{vol_halvebol}(d,h) + \text{vol_kegel}(d,h)}$$

$$\text{opp_div_vol_norm}(d,h) := \text{opp_div_vol_tot}(d,h) \cdot d$$

$$f(d,h) := \frac{6 + 3 \cdot \sqrt{1 + 4 \cdot \frac{h^2}{d^2}}}{d + h}$$

$$d := 1 \quad h := 0, 0.1 \cdot d .. 10 \cdot d$$



$h := 0, 0.1 \cdot d .. 10 \cdot d$

