

$$\text{vol_kegel}(d,h) := \pi \cdot \left[\frac{\left(d - \frac{h}{10} \right)}{2} \right]^2 \cdot \frac{h}{3}$$

$$\text{opp_kegelwand}(d,h) := \pi \cdot \left[\frac{\left(d - \frac{h}{10} \right)}{2} \right] \cdot \sqrt{\left(\frac{d - \frac{h}{10}}{2} \right)^2 + h^2}$$

$$\text{opp_halvebol}(d,h) := 2 \cdot \pi \cdot \left(\frac{d}{2} \right)^2 + \pi \cdot \left[\left(\frac{d}{2} \right)^2 - \left(d - \frac{h}{10} \right)^2 \right]$$

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

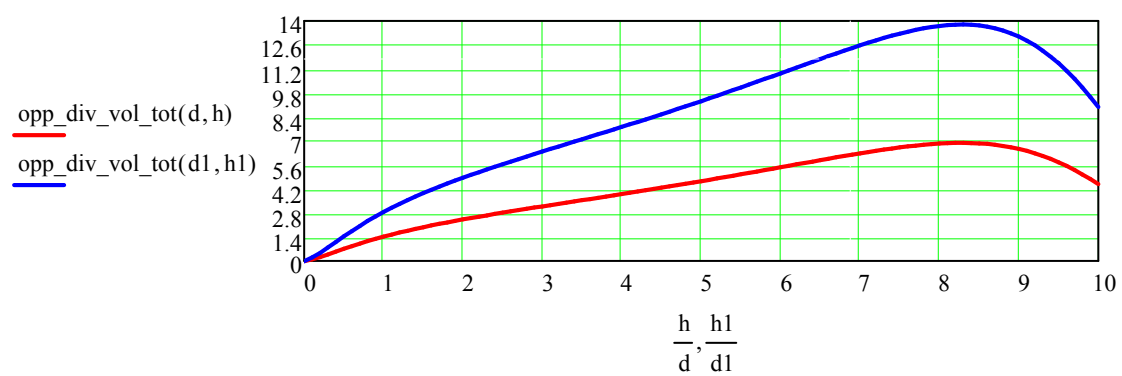
$$\text{opp_div_vol_kegel}(d,h) := \frac{\text{opp_kegelwand}(d,h)}{\text{vol_kegel}(d,h)}$$

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

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

$$d := 2 \quad h := 0,0.1d..10d$$

$$d1 := 1 \quad h1 := 0,0.1d1..10d1$$



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

