



Max 471 m³

$$x_0 = 8.995$$

$$x_{10} \approx \underline{\underline{8.03818}}$$

$$10 \times \frac{471}{523.6} \approx 8.995$$

↑
höhe

$$\text{Volumen} = \frac{4}{3} \pi r^3 \approx 523.539$$

$$\text{Volumen-segment} = V_{r,h} = \frac{\pi}{3} h^2 (3r - h)$$

$$\frac{V_{r,h} \cdot 3}{\pi (3r - h)} = h^2$$