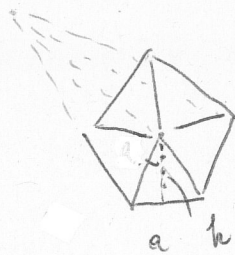


★ volume di poliedri regolari

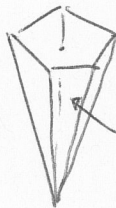
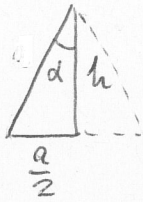


area di una faccia:

$$m \cdot \frac{a}{2} \cdot h = m \cdot \frac{a}{2} \cdot \frac{a}{2} \cot \frac{\pi}{m}$$

$$= m \cdot \frac{a^2}{4} \cdot \cot \frac{\pi}{m}$$

$$\alpha = \cot \frac{\pi}{m}$$



h' : altezza piramide

r : raggio sfera inscritta

$$r = \cot \frac{\pi}{m} \cot \frac{\pi}{n}$$

base altern

$$V = \frac{1}{3} \cdot B \cdot h' = \frac{1}{3} \cdot m \cdot F \cdot \frac{a^2}{4} \cdot r \cdot \cot \frac{\pi}{m}$$

$$= \frac{1}{12} m \cdot F \cdot a^2 \cdot r \cdot \cot \frac{\pi}{m}$$

$$V = \frac{1}{12} \cdot m \cdot F \cdot \cot \frac{\pi}{m} \cdot a^2 \cdot r$$