



$$S_{\text{Dau}} = S_{\text{Dau}} + S_{\text{no r. nuqarap}}$$

$$R = l \sin \alpha \Rightarrow H = \sqrt{l^2 - R^2} = \sqrt{l^2 - l^2 \sin^2 \alpha} = \sqrt{l^2 (1 - \sin^2 \alpha)} = l \cos \alpha$$

$$r = R \frac{\sqrt{2}}{2} = \frac{l \sin \alpha \sqrt{2}}{2}$$

$$AB = 2r = \sqrt{2} \cdot l \sin \alpha$$

$$\text{anogrupp } h^2 = H^2 + r^2 = l^2 \cos^2 \alpha + \frac{l^2 \sin^2 \alpha}{2} =$$

$$= \frac{2l^2 \cos^2 \alpha + l^2 \sin^2 \alpha}{2} = \frac{l^2 (2\cos^2 \alpha + \sin^2 \alpha)}{2}$$

$$= \frac{l^2 (2\cos^2 \alpha + 1 - \cos^2 \alpha)}{2} = \frac{l^2 (1 + \cos^2 \alpha)}{2}$$

$$= \frac{l^2}{2} \cdot \sin \alpha \cdot \sqrt{1 + \cos^2 \alpha} \quad S_{\text{Dau}} = \frac{1}{2} H \cdot AB = \frac{1 \cdot l \sqrt{1 + \cos^2 \alpha} \cdot \sqrt{2} l \sin \alpha}{2} \cdot l^2$$

$$S_{\text{Dau}} = 4 \cdot S_{\text{Dau}} = 2l^2 \cdot \sin \alpha \cdot \sqrt{1 + \cos^2 \alpha}$$