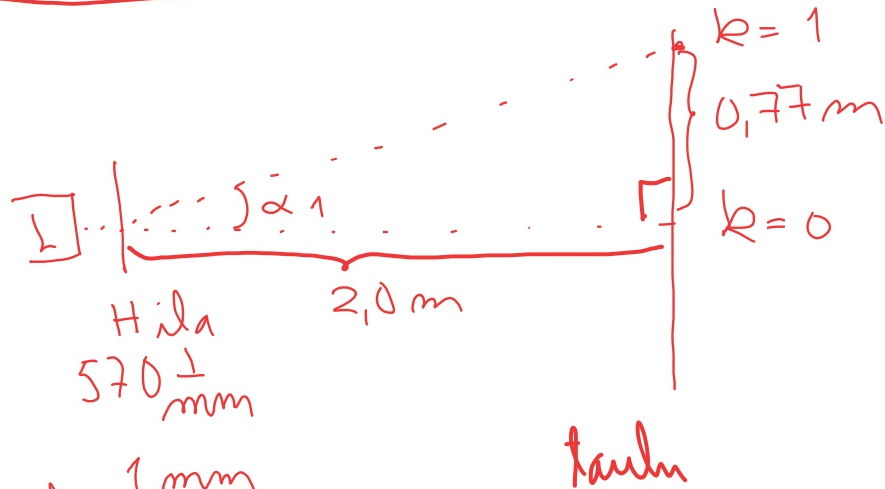


Tulkinuus:

lasin aallonpituus



$$\Rightarrow d = \frac{1 \text{ mm}}{570} =$$

$$\tan \alpha_1 = \frac{0,77 \text{ m}}{2,0 \text{ m}}$$

$$\alpha_1 = \arctan\left(\frac{0,77}{2,0}\right) = 21^\circ$$

Tulokset:

$$d \sin \alpha = k \lambda \quad (k=1)$$

$$\lambda = \frac{d \sin \alpha}{k} = \frac{1 \text{ mm} \cdot \sin 21^\circ}{1}$$

$$= 0,0006315 \text{ mm} \approx 630 \text{ nm}$$