

Vân tốc anh sang trong chất long:

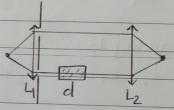
$$V = C - 3.10^8 - 2,25.10^8 \text{ (m/s)}$$
 $n = \frac{4}{3}$

+) Khi đi trong chất long thì tân số của ánh súng khong đối

Cau 2:

Sau khi bơm đây khi ch, hiệu quang lô 2 chum tia sang thay s đối một lường:

DL= L2- L1= d(n-n0)



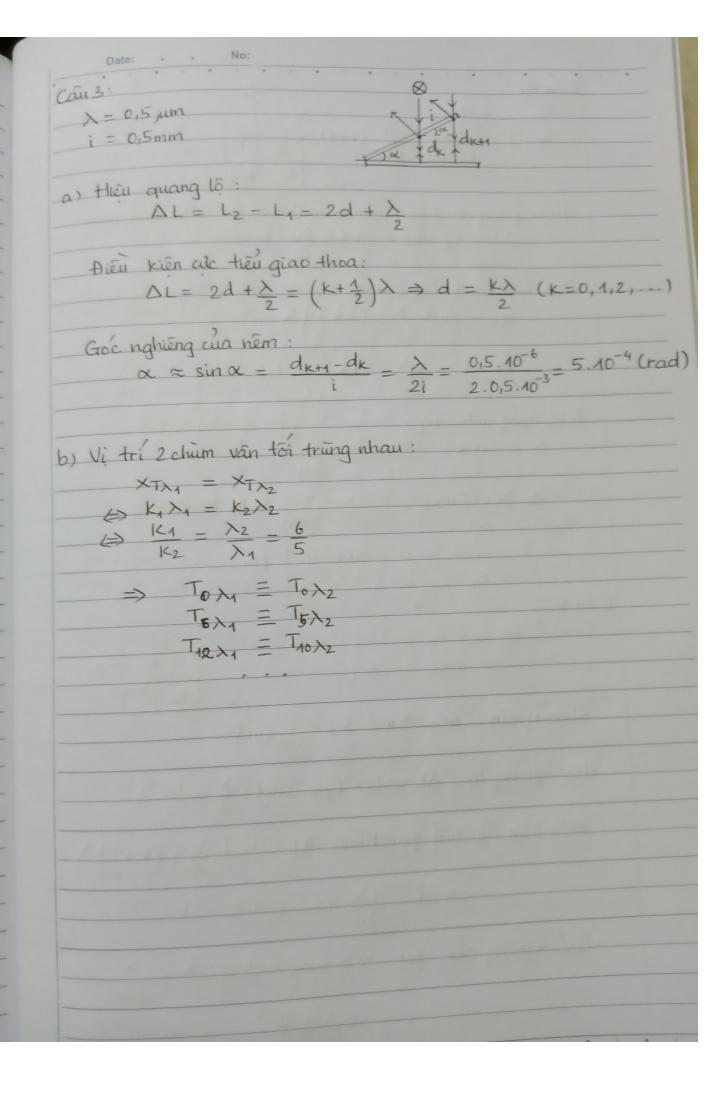
Hè van dich chuyên m van:

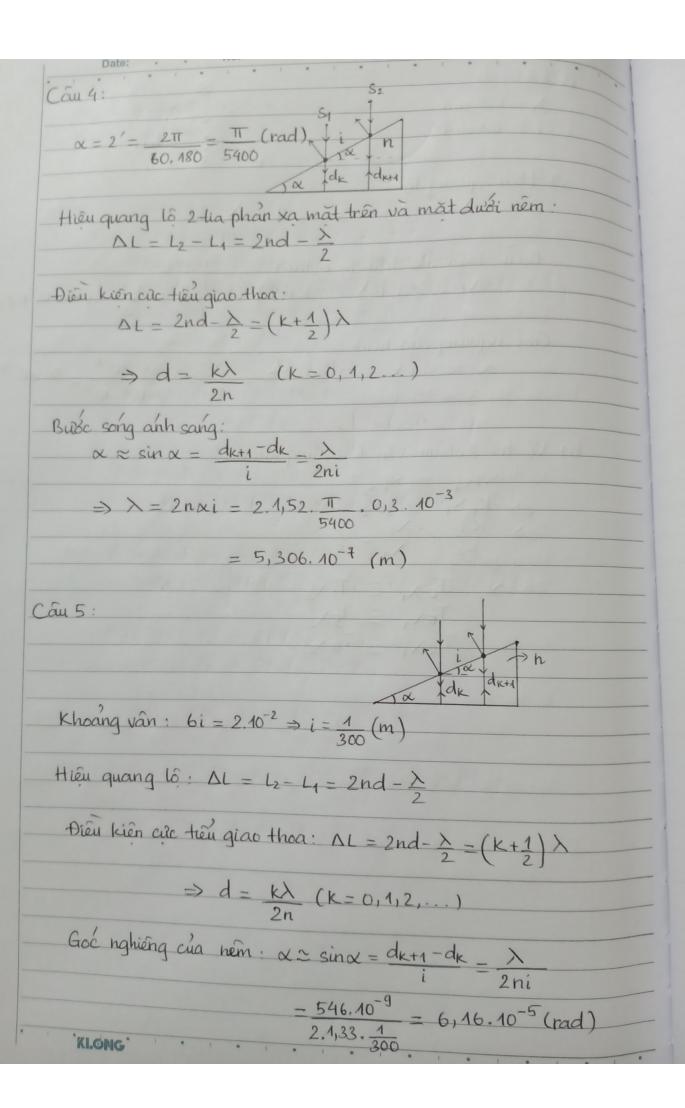
$$\Delta L = (n - n_0)d = m\lambda$$

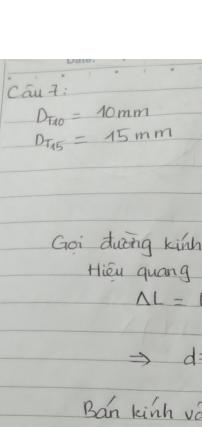
$$\Rightarrow$$
 $n = n_0 + m\lambda$

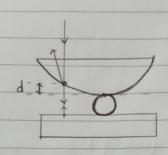
$$= 1,000276 + 20.0,589.10^{-6}$$

$$0,02$$









$$\Delta L = L_2 - L_1 = 2n_{KK}(d+x) + \frac{\lambda}{2} = (k+\frac{1}{2})\lambda$$

$$\Rightarrow$$
 $d = \frac{k\lambda}{2} \times \frac{k\lambda}{2}$

$$r_{10} = \sqrt{2R\left(\frac{10\lambda}{2} - \chi\right)} = 5.10^{-3} \text{ (m)}$$

$$r_{15} = \sqrt{2R(\frac{15\lambda}{2}-x)} = 7,5.10^{-3} (m) (2)$$

$$\begin{array}{c}
(12) = \begin{cases} r_{10}^{2} = 2R(5\lambda - \chi) \\ r_{15}^{2} = 2R(\frac{15}{2}\lambda - \chi) \end{cases}$$

$$\Rightarrow \begin{cases} 5\lambda - \chi - (5.10^{-3})^{2} - 10^{-6} \\ \hline 2.12,5 \\ \hline 2 \\ \hline 2 \\ \hline 2.12,5 \end{cases}$$

$$\Rightarrow$$
 $\lambda = 5.40^{-7} (m)$

