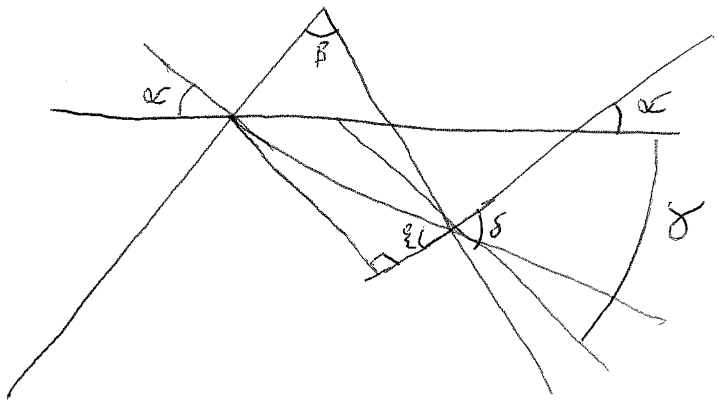

$\boxed{n_0 \sin\alpha = n \sin\varepsilon}$

$\boxed{\varepsilon + \xi + \frac{\pi}{2} = \pi}$

$\boxed{n \sin\xi = n_0 \sin\delta}$

$\boxed{\delta = \gamma + \alpha}$

$\rightarrow \varepsilon = \sin^{-1}\left(\frac{n_0}{n}\sin\alpha\right)$

$\varepsilon = \frac{\pi}{2} - \xi$

$\xi = \sin^{-1}\left(\frac{n}{n_0}\sin\delta\right)$

$\sin^{-1}\left(\frac{n_0}{n}\sin\alpha\right) = \frac{\pi}{2} - \sin^{-1}\left(\frac{n}{n_0}\sin\delta\right)$

$\frac{n_0}{n}\sin\alpha = \cos\left(\sin^{-1}\left(\frac{n}{n_0}\sin\delta\right)\right)$

$n = \sqrt{1.0006\sin^2\left(a + \tan^{-1}\left(\frac{x}{L}\right)\right) + 1.0006\sin^2(a)}$