

LUCE 14^{-1} $3.8.10^{-6} \times 10 \times 7.9.10^{-14}$ $0.78.10^{-6} \times 10^{-6} \times$

C~300000 Km/s

in un materiale v < c

M = C INDICE DI RIFRAZIONE

M>, 1

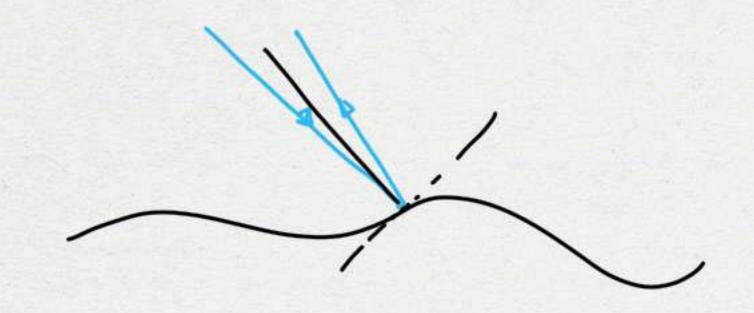
MARIA 21, MACQUA = 1.33, MVETRO ~ 1.5 = 2.0

$$KN = \omega$$
 ON DE

 $K. C = \omega_o F) C = \frac{\omega_o}{Ko} \xrightarrow{\text{ME230}}$
 $C = M = \frac{\lambda_o}{\lambda} F) \lambda = \frac{\lambda_o}{M}$
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ν = ω₀ = λν. =>

$$\frac{\partial^{2} \Theta^{2}}{\partial x^{2}} = \frac{\partial^{2} \Theta^{2}}{\partial$$



BC = Ac
$$\sin\theta$$
: = $\sqrt{\Delta t}$ => AC = $\frac{\sqrt{\Delta t}}{m\theta}$

AE = Ac $\sin\theta$ t = $\sqrt{2}\Delta t$ => AC = $\frac{\sqrt{2}\Delta t}{m\theta}$
 $\frac{\sqrt{\Delta t}}{m\theta} = \frac{\sqrt{2}\Delta t}{m\theta}$ =>

$$\frac{n_{1}}{n_{2}} \frac{\partial u}{\partial t} = \frac{v_{1}}{v_{2}} = \frac{v_{2}}{v_{1}} = \frac{v_{2}}{v_{1}}$$

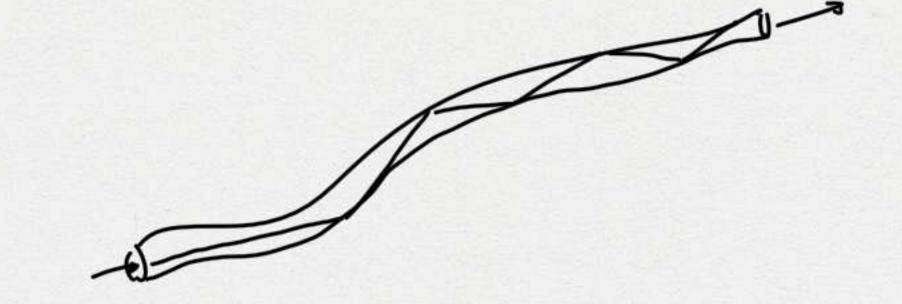
$$\frac{n_{1} \Theta h}{n_{1} \Theta t} = \frac{\nabla_{1}}{\nabla_{2}} = \frac{m_{2}}{m_{1}} = \sum_{m_{1}} \frac{m_{1} m_{2} \Theta h}{m_{1} m_{1} \Theta h} = \sum_{m_{2}} \frac{m_{2} m_{2} \Omega h}{m_{1} m_{2} \Omega h} = \sum_{m_{2}} \frac{m_{2} m_{2} \Omega h}{m_{1} m_{2} \Omega h} = \sum_{m_{2}} \frac{m_{2} m_{2} \Omega h}{m_{1} m_{2} \Omega h} = \sum_{m_{2}} \frac{m_{2} m_{2} \Omega h}{m_{1} m_{2} \Omega h} = \sum_{m_{2}} \frac{m_{2} m_{2} \Omega h}{m_{1} m_{2} \Omega h} = \sum_{m_{2}} \frac{m_{2} m_{2} \Omega h}{m_{1} m_{2} \Omega h} = \sum_{m_{2}} \frac{m_{2} m_{2} \Omega h}{m_{1} m_{2} \Omega h} = \sum_{m_{2}} \frac{m_{2} m_{2} \Omega h}{m_{1} m_{2} \Omega h} = \sum_{m_{2}} \frac{m_{2} m_{2} \Omega h}{m_{1} m_{2} \Omega h} = \sum_{m_{2}} \frac{m_{2} \Omega h}{m_{1} \Omega h} = \sum_{m_{2}} \frac{m_{2} \Omega h}{m_{2} \Omega h} = \sum_{m_{2}} \frac{m_{2} \Omega h}{m_{$$

LEGGE DI SNELL

+ RIFLESSIONE TOTALE

$$\sin \theta_{t} = 1 = \frac{m_{1}}{m_{2}} \sin \theta_{1}$$
 | $\frac{m_{2}}{m_{1}} = \sin \theta_{1}$ | $\frac{m_{2}}{m_{1}} = \sin \theta_{1}$ | $\frac{m_{2}}{m_{1}} = \sin \theta_{2}$ | $\frac{m_{2}}{m_{2}} = \sin \theta_{2}$ | $\frac{m_{2}}{m_{1}} = \sin \theta_{2}$ | $\frac{m_{2}}{m_{2}} = \sin \theta_$

$$\frac{m_2}{m_1} = \min \Theta \lim_{n \to \infty}$$

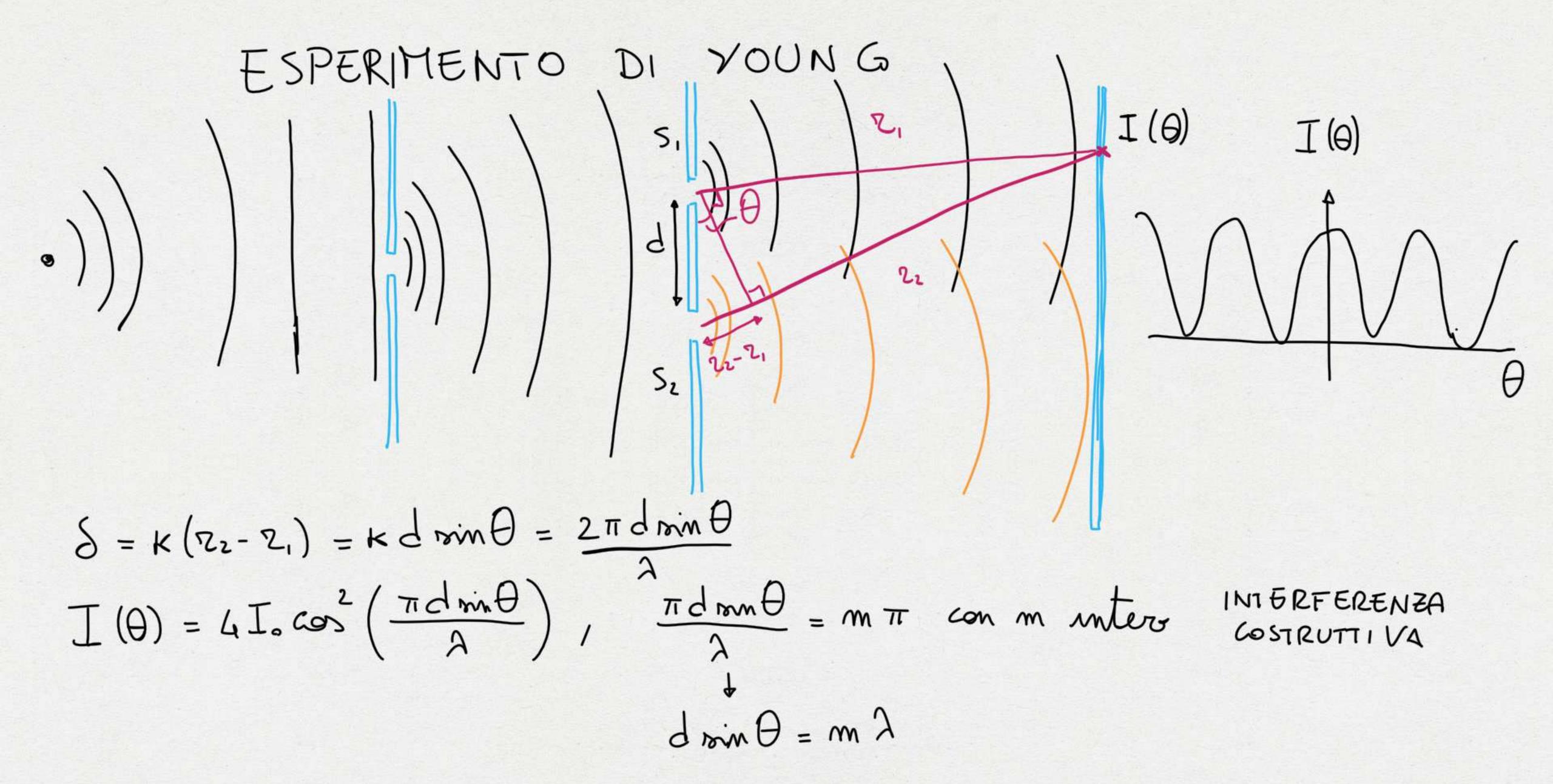


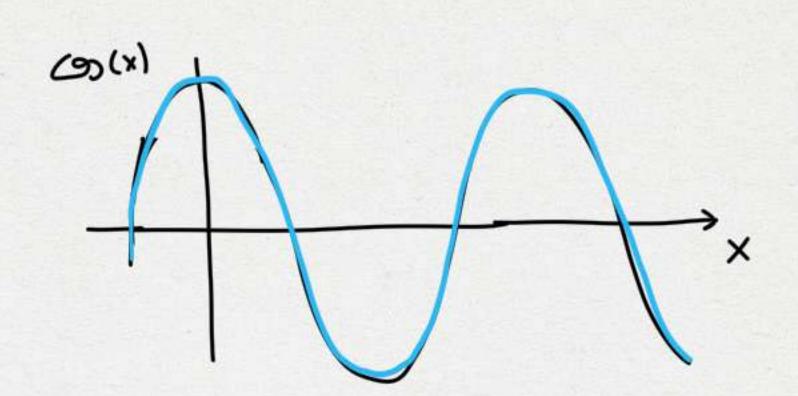
TERFERENZEA

SFERICA ACNO L, ARMONICA E(2,t)= = = (k2) wt) SOR GENTE

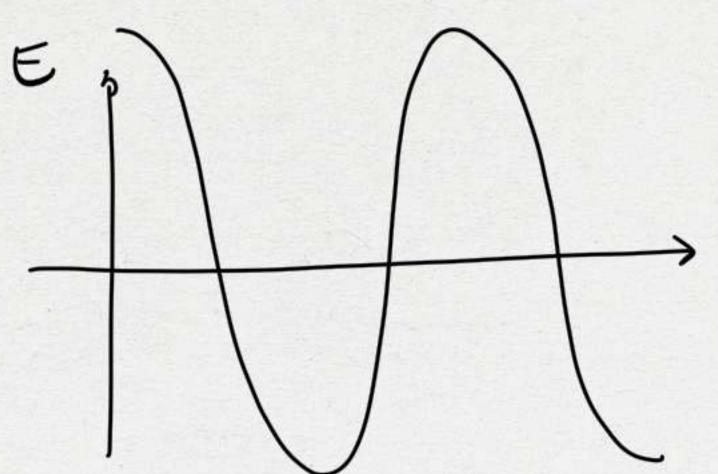
Sz 4,00

FASE $E_{\cdot}(r,t) = \frac{E_{\cdot r}}{r} \cos(kr - \omega t + \phi_{\cdot})$
$$\begin{split} E_{2}(\mathbf{z},t) &= \frac{E_{20}}{2z} \, \omega_{3}(\kappa \mathbf{z}_{2} - \omega t + \varphi_{2}) \\ S &= (\kappa \mathbf{z}_{2} - \omega t + \varphi_{2}) - (\kappa \mathbf{z}_{1} - \omega t + \varphi_{1}) = \\ &= \kappa (\mathbf{z}_{2} - \mathbf{z}_{1}) + (\varphi_{2} - \varphi_{1}) \end{split}$$
 κ e ω delle onde devon essere le stesse ② ϕ_z - ϕ_i = $\Delta \phi$ deve essere costante nel temp, ave le due vorgendi devon essere coerenti. Se $\Delta \phi$ =0 le vorgenti vinozone.





$$d m\Theta = (m + \frac{1}{2}) \lambda$$



INTERFERENZA DISTRUTTIVA

