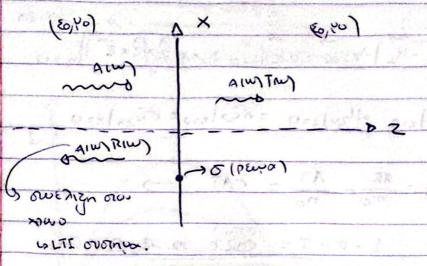


LD REFLECTION (TRANSMISSION THROUGH METASURFACE.



MEDIOLOGIE 1, 40 MYKCLDICO VERIO

$$\overrightarrow{\nabla} \times \overrightarrow{z} = -i\omega\mu_0 \overrightarrow{H} \rightarrow \overrightarrow{\nabla} \times \overrightarrow{z} = -i\omega\nu\kappa_0 \eta_0 \cdot \frac{N\epsilon_0}{4\epsilon_0} \overrightarrow{H} \rightarrow \overrightarrow{H} = \frac{i}{\kappa_0 \eta_0} \overrightarrow{\nabla} \times \overrightarrow{G}$$

$$\Rightarrow \overrightarrow{\nabla} \times \overrightarrow{z}' = -i\omega\kappa_0 \eta_0 \cdot \overrightarrow{H} \rightarrow \overrightarrow{H} = \frac{i}{\kappa_0 \eta_0} \overrightarrow{\nabla} \times \overrightarrow{G}$$

$$\Rightarrow \overrightarrow{H} = \frac{i}{\kappa_0 \eta_0} \left(\frac{\widehat{Q}}{2} \right) \left$$

→ ω μας ειδιαφέρει η κοίθετη περείξες του διακρινεται η διαφυρά μετητυ των ε περιυχών.

Hy =
$$\frac{A}{n_0} e^{-ic_0 2} - \frac{AR}{n_0} e^{+ic_0 2}$$
 (4)

Hy = $\frac{AT}{n_0} e^{-ic_0 2}$ (5)

Zwonces

 $\frac{2}{2} \times (H_2 - H_L) = \vec{x} = \sigma \vec{\epsilon} |_{z=0} = -\sigma \vec{z} \times (\vec{z} \times \vec{\epsilon})|_{z=0}$ $\Rightarrow H_{LY}|_{z=0} - H_{2Y}|_{z=0} = \sigma \vec{\epsilon}_{2X}|_{z=0} = \sigma \vec{\epsilon}_{2X}|_{z=0}$ $\Rightarrow \frac{A}{no} - \frac{AR}{mo} - \frac{AT}{no} = \sigma AT \Rightarrow 1 - R - T = \sigma RT \Rightarrow 1 - R - T \Rightarrow 1$

=> 1-R-T= ONOT DE COMO

>> 1-R-T= ONOTL)T.(7)

Hanoppopnon iguos la Euro,

$$\alpha = \frac{|A|^{2}}{2n_{0}} - \frac{|A|^{2}R^{2}}{2n_{0}} - \frac{|A|^{2}|T|^{2}}{2n_{0}} - 1 - |R|^{2} - |T|^{2}$$

$$\frac{|A|^{2}}{2n_{0}}$$

=) $\alpha = \frac{1500721^2 - 900^2 - 4}{15000721^2} = \frac{(Re[c00]+2)^2+12}{15000721^2}$

Re (ono 312)2+ (Imiono 3)2-(Re cono 3)2-(Imiono))2-4

(Recons) +2)2+ Imiono)2

