$Q = \underset{K_1}{W} \underset{K_R}{W} \underset{K_R}{\text{Reflection and Transmittion from Normal Incidence:}} \\ = \underset{K_1}{W} \underset{K_R}{W} \underset{K_1}{\text{Reflection and Transmittion from Normal Incidence:}} \\ = \underset{K_1}{W} \underset{K_2}{\text{Resk.}} \underset{K_1}{\text{Resk.}} \underset{K_1}{\text{Resk.}} \underset{K_2}{\text{Resk.}} \underset{K_1}{\text{Resk.}} \underset{K_2}{\text{Resk.}} \underset{K_1}{\text{Resk.}} \underset{K_2}{\text{Resk.}} \underset{K_1}{\text{Resk.}} \underset{K_1}{\text{Resk.}} \underset{K_2}{\text{Resk.}} \underset{K_1}{\text{Resk.}} \underset{K_1}{\text{Resk.}} \underset{K_2}{\text{Resk.}} \underset{K_1}{\text{Resk.}} \underset{K_1}{\text{Resk.}} \underset{K_2}{\text{Resk.}} \underset{K_1}{\text{Resk.}} \underset{K_2}{\text{Resk.}} \underset{K_1}{\text{Resk.}} \underset{K_2}{\text{Resk.}} \underset{K_1}{\text{Resk.}} \underset{K_1}{\text{Resk.}} \underset{K_2}{\text{Resk.}} \underset{K_1}{\text{Resk.}} \underset{K_2}{\text{Resk.}} \underset{K_1}{\text{Resk.}} \underset{K_2}{\text{Resk.}} \underset{K_1}{\text{Resk.}} \underset{K_2}{\text{Resk.}} \underset{K_1}{\text{Resk.}} \underset{K_1}{\text{Resk.}} \underset{K_2}{\text{Resk.}} \underset{K_1}{\text{Resk.}} \underset{K_1}{\text{Resk.}} \underset{K_2}{\text{Resk.}} \underset{K_1}{\text{Resk.}} \underset{K_1}{\text{Resk.}} \underset{K_1}{\text{Resk.}} \underset{K_2}{\text{Resk.}} \underset{K_1}{\text{Resk.}} \underset{K_1}{\text{Resk.}} \underset{K_2}{\text{Resk.}} \underset{K_1}{\text{Resk.}} \underset{K_1}{\text{Resk.}} \underset{K_1}{\text{Resk.}} \underset{K_2}{\text{Resk.}} \underset{K_1}{\text{Resk.}} \underset{K_1}{\text{Resk.}} \underset{K_1}{\text{Resk.}} \underset{K_1}{\text{Resk.}} \underset{K_1}{\text{Resk.}} \underset{K_2}{\text{Resk.}} \underset{K_1}{\text{Resk.}} \underset{K_1}{\text{Resk.}} \underset{K_2}{\text{Resk.}} \underset{K_1}{\text{Resk.}} \underset{K_1}{\text{Resk.}} \underset{K_1}{\text{Resk.}} \underset{K_2}{\text{Resk.}} \underset{K_1}{\text{Resk.}} \underset{K_1}{\text{Resk.}} \underset{K_1}{\text{Resk.}} \underset{K_2}{\text{Resk.}} \underset{K_1}{\text{Resk.}} \underset{K_1}{\text{Resk.}} \underset{K_2}{\text{Resk.}} \underset{K_1}{\text{Resk.}} \underset{K_1}{\text{Resk.}} \underset{K_1}{\text{Resk.}} \underset{K_1}{\text{Resk.}} \underset{K_1}{\text{Resk.}} \underset{K_2}{\text{Resk.}} \underset{K_1}{\text{Resk.}} \underset{K_1$

$$At 2=0: f=0$$

$$At 2=0: f=0$$

$$0 \forall D=0 \Rightarrow \int \overrightarrow{D} \cdot d\overrightarrow{a} = 0, \quad \mathcal{E}_{1} = \mathcal{E}_{2} = \mathcal{E}_{2} = 0$$

$$B_{1} = B_{2} = 0$$

$$0 \forall X = -\frac{\partial B}{\partial t} \Rightarrow \int \overrightarrow{E} \cdot d\overrightarrow{t} = -\frac{\partial F}{\partial t} \cdot d\overrightarrow{t} \Rightarrow \int \overrightarrow{F} \cdot d\overrightarrow{t} = \frac{1}{4} B_{1}^{1} = \frac{1}{4} B_{2}^{1} = 0$$

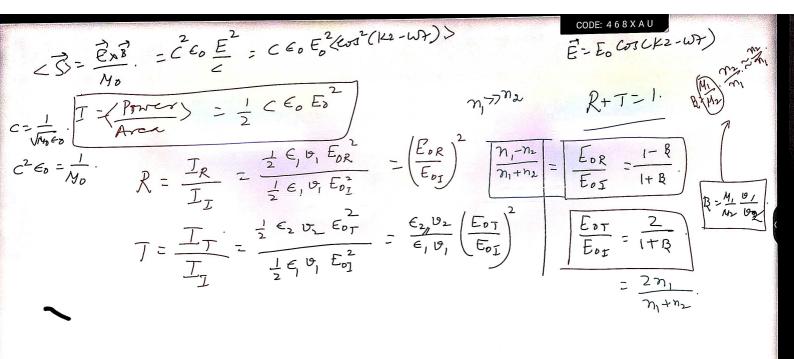
$$\overrightarrow{F} = \overrightarrow{F} \cdot \overrightarrow{F}$$

 $E_{0I} = E_{2}^{"}, A + 2 = 0$ $E_{0I} = -i \omega t + E_{0R} = -i \omega t = E_{0I} = -i \omega t = E_{0I} + E_{0R} = E_{0I}$ $\frac{1}{N_{1}} B_{1}^{"} = \frac{1}{N_{2}} B_{2}^{"} \Rightarrow \frac{1}{N_{1}} \left[\frac{1}{i v_{1}} E_{0T} - \frac{1}{i v_{1}} E_{0R} \right] e^{-i \omega t} = \frac{1}{N_{2}} \frac{1}{v_{2}} E_{0I} = \frac{1}{N_{2}} \frac{1}{v_{2}} E_{0I} = \frac{M_{1}}{N_{2}} \frac{v_{1}}{v_{2}} E_{0I}$ $\frac{1}{N_{1}} B_{1}^{"} = \frac{1}{N_{2}} B_{2}^{"} \Rightarrow \frac{1}{N_{1}} \left[\frac{1}{i v_{1}} E_{0T} - \frac{1}{i v_{1}} E_{0R} \right] e^{-i \omega t} = \frac{1}{N_{2}} \frac{1}{v_{2}} E_{0I} \Rightarrow \frac{1}{N_{2}} E_{0I} \Rightarrow \frac{1}{N_{2}}$









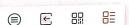
$$\frac{E_{0R} - \frac{m_1 - m_2}{m_1 + m_2}}{E_{0I}} = \frac{m_1 - m_2}{m_1 + m_2}$$

$$\frac{E_{0R} = \frac{m_1 - m_2}{m_1 + m_2}}{E_{0I}} = \frac{2m_1}{m_1 + m_2}$$

$$\frac{E_{0I}}{E_{0I}} = \frac{2m_1}{m_1 + m_2}$$

$$\frac{E_{0I}}{E_{0I}} = \frac{2m_1}{m_1 + m_2}$$

$$\frac{E_{0I}}{E_{0I}} = \frac{2m_1}{m_1 + m_2}$$







R+

$$\mathcal{E}_{1} = \frac{1}{V_{1}^{2}N_{1}}; \quad \mathcal{E}_{2} = \frac{1}{V_{2}^{2}N_{1}}; \quad \mathcal{E}_{3} = \frac{1}{V_{2}^{2}N_{1}}; \quad \mathcal{E}_{4} = \frac{1}{V_{2}^{2}N_{1}}; \quad \mathcal{E}_{5} = \frac{1$$

$$T = R \left(\frac{E_{0T}}{E_{0T}} \right)^{2}, R = \left(\frac{E_{0T}}{E_{0T}} \right)^{2}$$

$$R + T = \left(\frac{E_{0R}}{E_{0T}} \right)^{2} + \left(\frac{E_{0T}}{E_{0T}} \right)^{2}$$

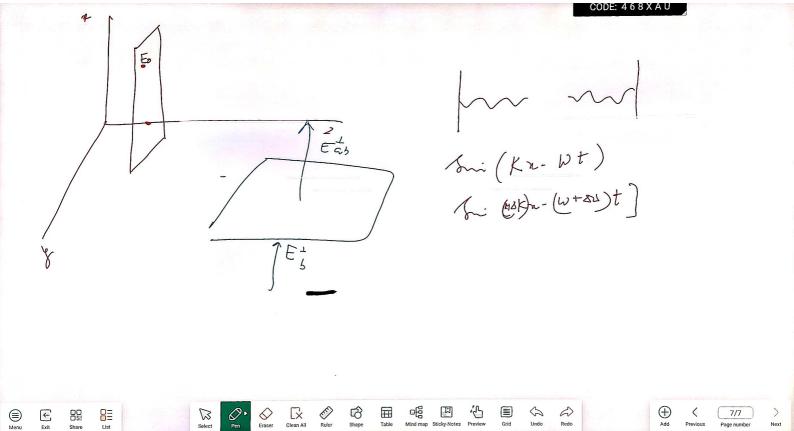
$$= \left(\frac{1 - R}{1 + R} \right)^{2} + \left(\frac{2}{1 + R} \right)^{2}$$

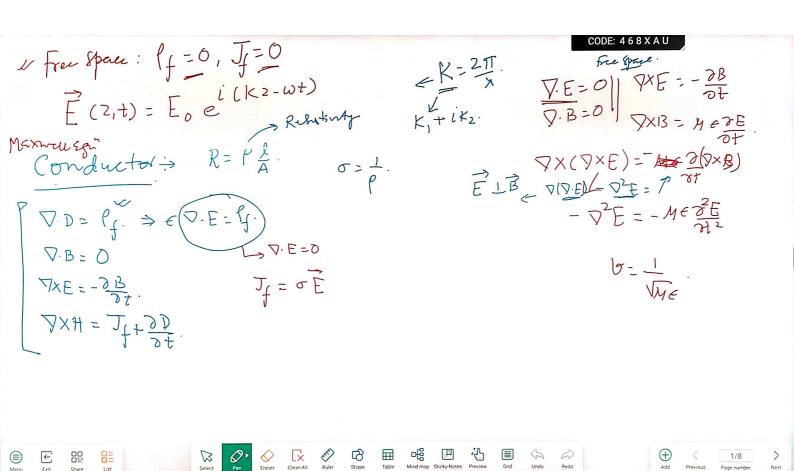
$$= 1$$

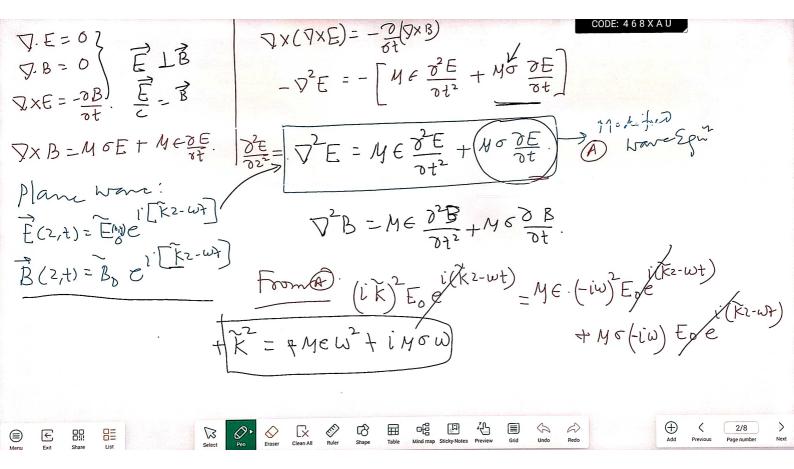












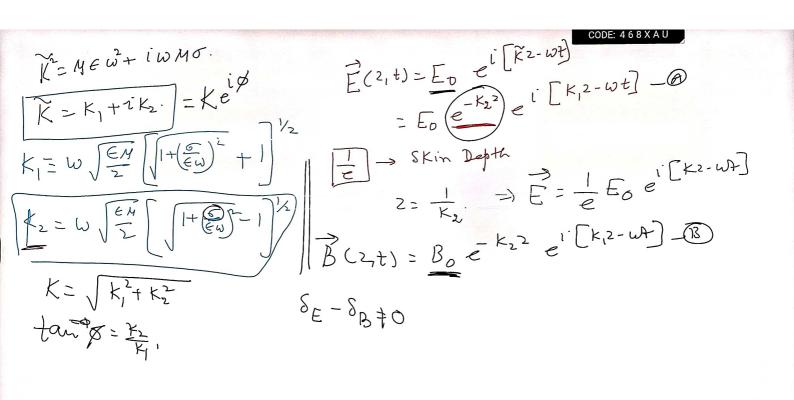


Table Mind map Sticky-Notes Preview

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 $\frac{1}{E}(2,t) = \frac{E_0}{E_0} e^{-K_2^2} e^{i(2K_1^2 - \omega t)}$ $\frac{1}{E}(2,t) = \frac{E_0}{E_0} e^{-K_2^2} e^{i(2K_1^2 - \omega t)}$

 $E_0(2,7) = E_0 e^{i\delta E}$ $B_0(2,7) = B_0 e^{i\delta B}$

$$\delta_{B} = \delta_{E} + \beta.$$

$$\delta_{B} - \delta_{t} = \delta$$

$$B_{0} = \frac{E_{0}}{W} \tilde{K} \Rightarrow B_{0}e^{i\delta B} = \frac{E_{0}e^{i\delta E}}{W} \tilde{K}$$

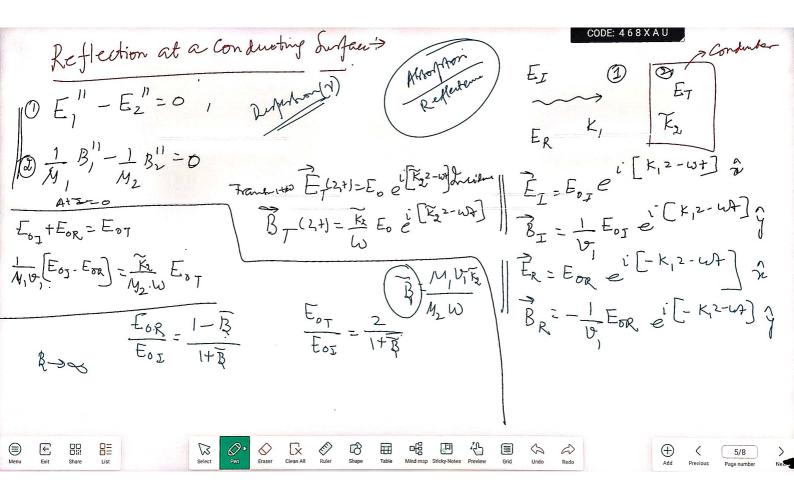
$$= \frac{E_{0}}{W}e^{i\delta E} Ke^{i\delta E}$$

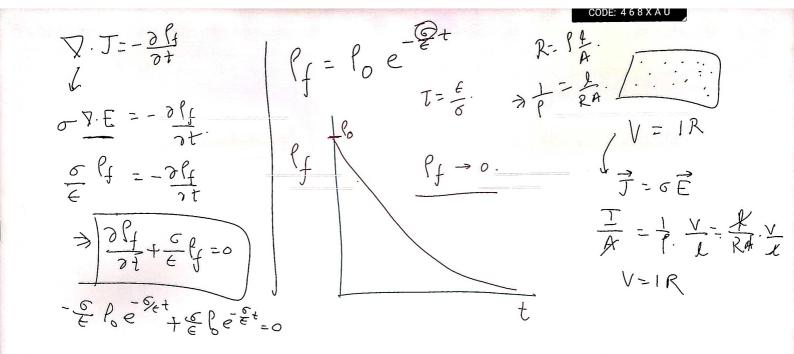
$$= \frac{E_{0}K}{W}e^{i(\delta E + E)}$$











CODE: 468XAU











f = -kx - bv $\Rightarrow i + \frac{kx}{m} + \frac{b}{m} = 0$ $\Rightarrow bv \cdot 2 + w^2 + 2 = 0$ $\Rightarrow iwy$

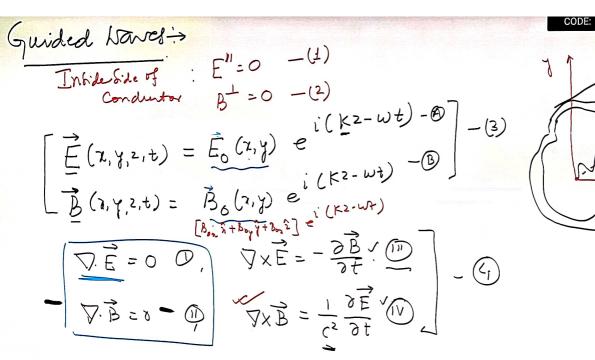
ZzZ,e iwt

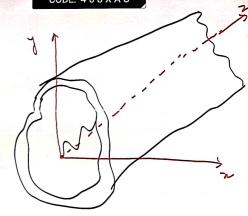
F=- 42 }





Add Previous Page number











$$\int_{E_0}^{\infty} = E_{0n} \hat{z} + E_{0y} \hat{y}^{\dagger} + E_{0z} \hat{z} , \quad \hat{B}_0 = B_{0n} \hat{z} + B_{0y} \hat{y}^{\dagger} + B_{0z} \hat{z} . \quad \text{CODE: 468XAU}$$

$$\frac{1}{2} = \frac{1}{2} = \frac{1}{2} = \frac{1}{2} \left[\frac{1}{2} B_0 e^{i(kz-\omega t)} \right] = \frac{1}{2} \frac{1}{2} \frac{1}{2} \frac{1}{2} = \frac{1}{2} \frac{1}{2} \frac{1}{2} \frac{1}{2} = \frac{1}{2} \frac{1}$$

$$\frac{\partial E_{2}}{\partial x} - \frac{\partial E_{3}}{\partial z} = i\omega B_{0} e^{i(R_{2}-\omega R)}$$

$$- \left[\frac{\partial E_{2}}{\partial x} - i\kappa E_{x}\right] = i\omega B_{y} \Rightarrow i\kappa E_{x} - \frac{\partial E_{2}}{\partial x} = i\omega B_{y}.$$

$$\frac{\partial E_{x}}{\partial y} - \frac{\partial E_{y}}{\partial x} = i\omega B_{0} e^{i(R_{2}-\omega R)}$$

$$\frac{\partial E_{x}}{\partial y} - \frac{\partial E_{y}}{\partial x} = i\omega B_{0} e^{i(R_{2}-\omega R)}$$

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$$\frac{\partial E_{x}}{\partial y} - \frac{\partial E_$$

$$(2) \frac{\partial E_{2}}{\partial y} = iWB_{2}$$

$$(2) \frac{\partial E_{2}}{\partial y} = iKE_{y} = iWB_{n}$$

$$(3) = iKE_{y} = iWB_{n}$$

$$(4) \frac{\partial B_{y}}{\partial x} - \frac{\partial B_{n}}{\partial y} = -\frac{iW}{2}E_{2}$$

$$(5) = iKB_{n} - \frac{\partial B_{n}}{\partial y} = -\frac{iW}{2}E_{n}$$

$$(6) iKB_{n} - \frac{\partial B_{n}}{\partial y} = -\frac{iW}{2}E_{n}$$

$$\begin{bmatrix}
(1) & \frac{\partial E_y}{\partial x} - \frac{\partial E_z}{\partial y} &= i\omega B_z
\end{bmatrix}$$

$$\begin{bmatrix}
(2) & \frac{\partial E_z}{\partial y} - i\kappa E_y &= i\omega B_x
\end{bmatrix}$$

$$\begin{bmatrix}
(3) & \frac{\partial E_z}{\partial x} - \frac{\partial E_z}{\partial x} &= i\omega B_x
\end{bmatrix}$$

$$\begin{bmatrix}
(4) & \frac{\partial B_y}{\partial x} - \frac{\partial B_x}{\partial y} &= -\frac{i\omega}{c^2}E_z
\end{bmatrix}$$

$$\begin{bmatrix}
(5) & \kappa \frac{\partial B_z}{\partial y} - i\kappa B_y &= -\frac{i\omega}{c^2}E_z
\end{bmatrix}$$

$$\begin{bmatrix}
(6) & i\kappa B_x - \frac{\partial B_z}{\partial x} &= -\frac{i\omega}{c^2}E_y
\end{bmatrix}$$

$$\begin{bmatrix}
(8) & i\kappa B_x - \frac{\partial B_z}{\partial x} &= -\frac{i\omega}{c^2}E_y
\end{bmatrix}$$

$$\begin{bmatrix}
(8) & i\kappa B_x - \frac{\partial B_z}{\partial x} &= -\frac{i\omega}{c^2}E_y
\end{bmatrix}$$



$$\nabla \cdot \overrightarrow{E} = 0 \Rightarrow \frac{\partial E_{x}}{\partial x} + \frac{\partial E_{y}}{\partial y} + \frac{\partial E_{z}}{\partial z} = 0$$

$$\frac{\partial E_{0x}}{\partial x} + \frac{\partial E_{y}}{\partial y} + \frac{\partial E_{0z}}{\partial z} = 0$$

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$$\frac{\partial E_{0x}}{\partial x} + \frac{\partial E_{0x}}{\partial y} + \frac{\partial E_{0x}}{\partial y} = 0$$

$$\frac{\partial E_{0x}}{\partial x} + \frac$$

Calcard

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$$\frac{\omega}{c^2} \frac{\partial E_2}{\partial y} - \frac{\omega}{c^2} i \frac{\kappa}{k} \frac{E_y}{y} + i \frac{\kappa^2}{k^2} \frac{B_2}{\partial x} - \frac{i \omega^2}{c^2} \frac{B_2}{\partial x} - \frac{i \omega \kappa}{c^2} \frac{E_y}{\partial x}$$

$$i \left[\kappa^2 - \frac{\omega^2}{c^2} \right] B_2 = \kappa \frac{\partial B_2}{\partial x} - \frac{\omega}{c^2} \frac{\partial E_2}{\partial y}$$





