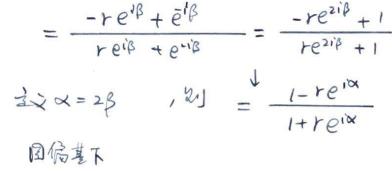
(2) 鞋动部等

$$\begin{pmatrix} x \\ y \end{pmatrix} = \begin{pmatrix} c_{\alpha}\beta & -sm\beta \\ sm\beta & c_{\beta} \end{pmatrix} \begin{pmatrix} x' \\ y' \end{pmatrix}$$

$$\frac{1}{3} \begin{cases} x' = x \cos \beta + y \sin \beta \\ y' = -x \cos \beta + y \cos \beta \end{cases}$$

$$\frac{\beta}{A} = \frac{b \cos \beta - i a \sin \beta}{a \cos \beta - i b \sin \beta} = \frac{(b-a) \cos \beta + a e^{-i\beta}}{(a-b) \cos \beta + b e^{-i\beta}}$$

$$= \frac{(b-a) (e^{-i\beta} + e^{-i\beta}) + 2a e^{-i\beta}}{(a-b) (e^{i\beta} + e^{-i\beta}) + 2b e^{-i\beta}}$$



= (b-a)eig + (b+4)e-ig

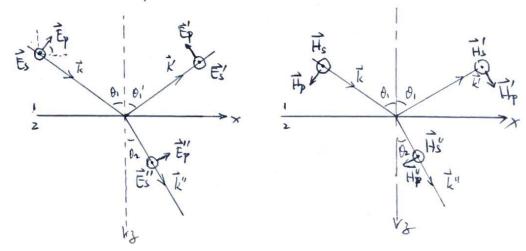
(a-b) e 1 + (a+b) e-i }

$$\frac{E_{-}}{E_{+}} = \frac{E_{1} - E_{2}}{E_{1} + E_{2}} = \frac{\left(1 + re^{i\alpha}\right) - \left(1 - re^{i\alpha}\right)}{\left(1 + re^{i\alpha}\right) + \left(1 - re^{i\alpha}\right)} = re^{i\alpha}$$

(3) Stokes 多数

至2. 电磁性界面的复数和折别

1、反射、扩射注符



Maxwell 在边位也(介质是面)

$$\hat{G} \cdot (\vec{\epsilon}_1 \cdot \vec{\epsilon}_2 - \vec{\epsilon}_1 \cdot \vec{\epsilon}_1) = 0$$
 $\hat{G} \times (\vec{\epsilon}_2 - \vec{\epsilon}_1) = 0$
 $\hat{G} \cdot (\vec{\epsilon}_1 \cdot \vec{\epsilon}_2) = 0$
 $\hat{G} \cdot (\vec{\epsilon}_1 \cdot \vec{\epsilon}_1) = 0$

$$\lambda: \vec{E} = \vec{E}_o e^{i(\vec{k} \cdot \vec{r} - \omega t)}$$

$$\vec{k}: \vec{E}' = \vec{E}'_{o} e^{i(\vec{k}' \cdot \vec{r} - \omega' t)}$$

$$\hat{n} \times (\vec{E} + \vec{E}') = \hat{n} \times \vec{E}'' |_{S}$$

$$\hat{n} \times (\vec{E} + \vec{E}') = \hat{n} \times \vec{E}'' |_{S}$$

$$\hat{n} \times (\vec{E} \cdot \vec{F} - \omega t) + \vec{E}_{S} e^{i(\vec{k} \cdot \vec{F} - \omega t)} |_{S^{20}} = \hat{n} \times \vec{E}_{S} e^{i(\vec{k} \cdot \vec{F} - \omega t)} |_{S^{20}}$$

-
$$\xi T_0$$
 $f_{xx} + k_j y - \omega t = k_{xx} + k_j y - \omega t = k_x^{"}x + k_j^{"}y - \omega^{"}t$

$$\hat{n} \times (\vec{E}_0 + \vec{E}_0') = \hat{n} \times \vec{E}_0''$$

右有1.20分割 k=W=k', VI=VME, , るちん=W=WJMEz 取入别年的为少三〇色的,到

ksud, z k'so! = k"end2

$$\text{RZ} \theta_i = \theta_i' \quad \text{M} \quad \frac{\text{MPI}}{\text{SIVDL}} = \frac{\text{MLE}_2}{n_i} = \frac{n_2}{n_i} \quad \text{M} \quad \text{N, sod = h2 SILO}_2$$

2. Freshel tit

$$\frac{E_{os}}{E_{os}} = \frac{\sqrt{E_{1}} \cos \theta_{1} - \sqrt{E_{2}} \cos \theta_{2}}{\sqrt{E_{1}} \cos \theta_{1} + \sqrt{E_{2}} \cos \theta_{2}}$$

$$= \frac{\sqrt{\frac{\epsilon_{1}}{n_{1}}} \, \omega_{1} - \sqrt{\frac{\epsilon_{2}}{n_{2}}} \sqrt{1 - \frac{n^{2}}{n_{2}^{2}} s_{1}^{2} \theta_{1}}}{\sqrt{\frac{\epsilon_{1}}{n_{1}}} \, \omega_{1} + \sqrt{\frac{\epsilon_{2}}{n_{1}}} \sqrt{1 - \frac{n^{2}}{n_{2}^{2}}} s_{1}^{2} \theta_{1}}$$

$$= \frac{n_1 \cos \theta_1 - \frac{\mu_1}{\mu_2} \int n_2^2 - n_1^2 \sin \theta_1}{n_1 \cos \theta_1 + \frac{\mu_1}{\mu_2} \int n_2^2 - n_1^2 \sin \theta_1}$$

麦叽, 对于连排决

扫流的, 无符为是

$$\frac{E_{op}}{E_{op}} = \frac{\frac{M_1}{M_2} N_1^2 \cos \theta_1 - N_1 \sqrt{n_1^2 - n_1^2 s_0^2 \theta_1}}{\frac{M_1}{M_2} N_2^2 \cos \theta_1 + N_1 \sqrt{n_2^2 - n_1^2 s_0^2 \theta_1}}$$

$$\frac{G_{op}^{c_1}}{G_{op}} = \frac{2h_1 n_2 \cos \theta_1}{\frac{M_1}{m_2} n_2^2 \cos \theta_1 + h_1 \int_{n_2}^{\infty} -n_1^2 \sin^2 \theta_1}$$

高角、取川一川。一川。(岳峒)将往及,别

$$\frac{E_{ss}}{E_{os}} = \frac{\int E_{l} \, \omega \theta_{l} - \int E_{r} \, \omega \theta_{r}}{\int E_{l} \, \omega \theta_{l} + \int E_{r} \, \omega_{r} \theta_{r}}$$

 $= \frac{sind_2and_1 - snd_1and_2}{+ \cdot \cdot \cdot}$ $= \frac{sind_2and_1 - snd_1and_2}{+ \cdot \cdot \cdot}$ $= \frac{sind_2and_1 - snd_1and_2}{+ \cdot \cdot \cdot}$

$$= \frac{574(\theta_2-\theta_2)}{5in(\theta_2+\theta_1)} = -\frac{54(\theta_1-\theta_2)}{54(\theta_1+\theta_2)}$$

妻仙子里他三十岁 如台《新祖路》

1年也: 7.1 (b) 只断浅偏巷下的参数 7.2 7.3 (a)