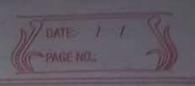
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BATCH : BAO

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Physics -2 (ISBIIPH211)

Assignment - 3

The reflection & reproction of a plane wave with the Etectric vector lying perpendicular to the plane of incidence. (s-polarized)

$$t_1 = 2n_1 \cos \theta_1 = 2\cos \theta_1 \sin \theta_2$$

$$n_1 \cos \theta_1 + n_2 \cos \theta_2 \qquad \sin (\theta_1 + \theta_2)$$

 $n_1(\omega_0) + n_2(\omega_0)$ Sin $(\omega_1 + \omega_2)$

$$R = (\sigma_1)^2 = \frac{(n_1 \cos \phi_1 - n_2 \cos \phi_2)^2}{(n_1 \cos \phi_1 + n_2 \cos \phi_2)} = \frac{(\sin (\phi_1 - \phi_2))^2}{(\sin (\phi_1 + \phi_2))^2}$$

$$T = \frac{4n_1 n_2 \cos \phi_1 \cos \phi_2}{2}$$