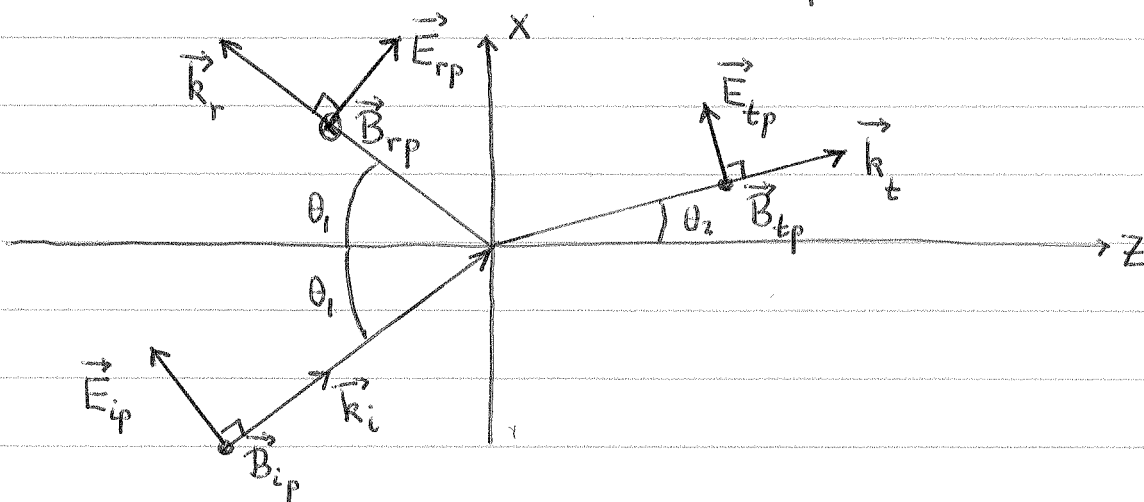


Bølge polarisert parallelt med innfallsplanet:



$$E_{ipox} = E_{ipo} \cos \theta_1; E_{ipoy} = 0; E_{ipoz} = -E_{ipo} \sin \theta_1$$

$$B_{ipox} = B_{ipoz} = 0; B_{ipoy} = B_{ipo} = \frac{E_{ipo}}{v_1}$$

$$E_{rpo} = E_{rpo} \cos \theta_1; E_{rpy} = 0; E_{rpoz} = E_{rpo} \sin \theta_1$$

$$B_{rpo} = B_{rpoz} = 0; B_{rpy} = B_{rpo} = -\frac{E_{rpo}}{v_1}$$

$$E_{tpox} = E_{tpo} \cos \theta_2; E_{tpoy} = 0; E_{tpoz} = -E_{tpo} \sin \theta_2$$

$$B_{tpox} = B_{tpoz} = 0; B_{tpy} = B_{tpo} = \frac{E_{tpo}}{v_2}$$

Grensefeltbetingelsene gir:

$$\epsilon_1 \sin \theta_1 (-E_{ipo} + E_{rpo}) = -\epsilon_2 E_{tpo} \sin \theta_2 \quad (a)$$

$$\cos \theta_1 (E_{ipo} + E_{rpo}) = E_{tpo} \cos \theta_2 \quad (b)$$

$$\frac{1}{\mu_1 v_1} (E_{ipo} - E_{rpo}) = \frac{1}{\mu_2 v_2} E_{tpo} \quad (c)$$