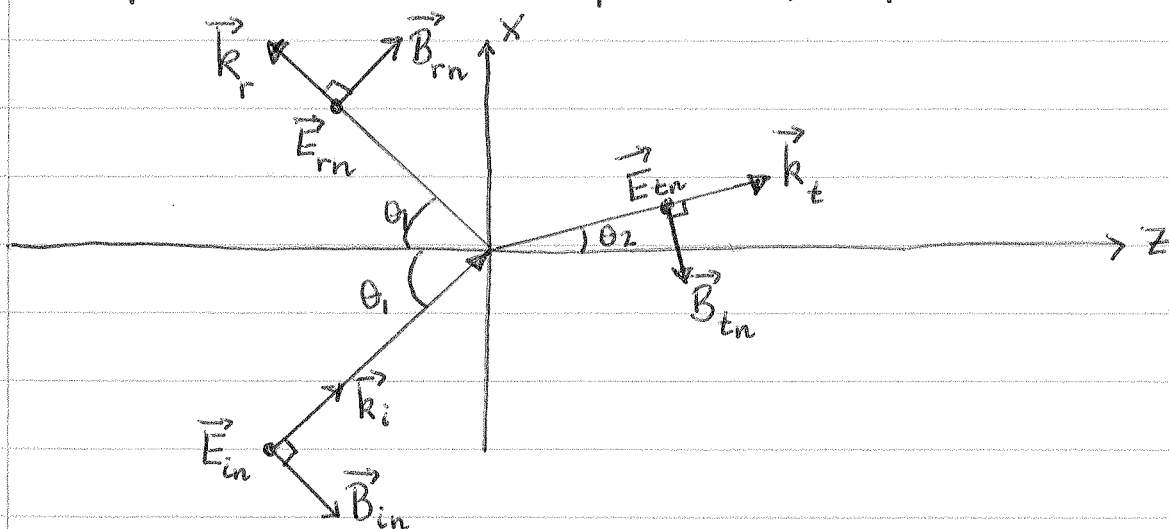


Bølge polarisert normalt på innfallsplanet:



$$E_{in0x} = E_{in0z} = E_{rno0x} = E_{rno0z} = E_{tn0x} = E_{tn0z} = 0$$

$$E_{in0y} = E_{ino} ; E_{rnoy} = E_{rno} ; E_{tn0y} = E_{tno}$$

$$B_{in0y} = B_{rnoy} = B_{tn0y} = 0$$

$$B_{in0x} = -B_{ino} \cos \theta_1 ; B_{in0z} = B_{ino} \sin \theta_1$$

$$B_{rno0x} = B_{rno} \cos \theta_1 ; B_{rno0z} = B_{rno} \sin \theta_1$$

$$B_{tn0x} = -B_{tno} \cos \theta_2 ; B_{tn0z} = B_{tno} \sin \theta_2$$

Grenseflatebetingelsene gir nå:

$$(B_{ino} + B_{rno}) \sin \theta_1 = B_{tno} \sin \theta_2 \quad (a)$$

$$E_{ino} + E_{rno} = E_{tno} \quad (b)$$

$$\frac{1}{\mu_1} (B_{ino} - B_{rno}) \cos \theta_1 = \frac{1}{\mu_2} B_{tno} \cos \theta_2 \quad (c)$$