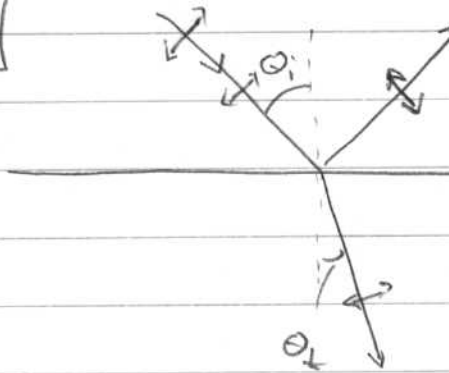


4.38



$$n_1 \approx 1$$

$$n_2 \approx 1.52$$

$$\theta_i = 30^\circ$$

pol // mit IP

Fresnels Formeln für // - Komp (TM-Mod)

$$r_{||} = \frac{\tan(\theta_i - \theta_t)}{\tan(\theta_i + \theta_t)}$$

$$t_{||} = \frac{2 \cos \theta_i \sin \theta_t}{\sin(\theta_i + \theta_t) \cos(\theta_i - \theta_t)}$$

$$\text{Snell} \Rightarrow n_1 \sin \theta_i = n_2 \sin \theta_t$$

$$\Rightarrow \theta_t = 19.2^\circ$$

$$\text{Außerdem: } r_{||} = 0.165$$

$$t_{||} = 0.766$$