θ [°]	I [μA]
10	
20	
30	
40	
50	
60	
70	
80	
90	
100	
110	
120	
130	
140	
150	
160	
170	
180	
190	
200	
220	
240	
260	
280	
300	

θ [°]	I_{min}	I_{max}	V [%]
10			
20			
30			
40			
45			
50			
55			
60			
70			

320	
340	

$$r_\perp = \frac{n_1 \cdot \cos\theta_1 - n_2 \cdot \cos\theta_2}{n_1 \cdot \cos\theta_1 + n_2 \cdot \cos\theta_2}$$

$$r_{\parallel} = \frac{n_1 \cdot \cos\theta_2 - n_2 \cdot \cos\theta_1}{n_1 \cdot \cos\theta_2 + n_2 \cdot \cos\theta_1}$$

$$R = \frac{\text{reflektirani intenzitet}}{\text{ukupan intenzitet}} \rightarrow \text{Reflektancija}$$

$$R_\perp = r_\perp^2 \qquad R_{\parallel} = r_{\parallel}^2$$

$$\theta_B = \operatorname{ctg}\left(\frac{n_2}{n_1}\right) \rightarrow \text{Brewsterov kut}$$

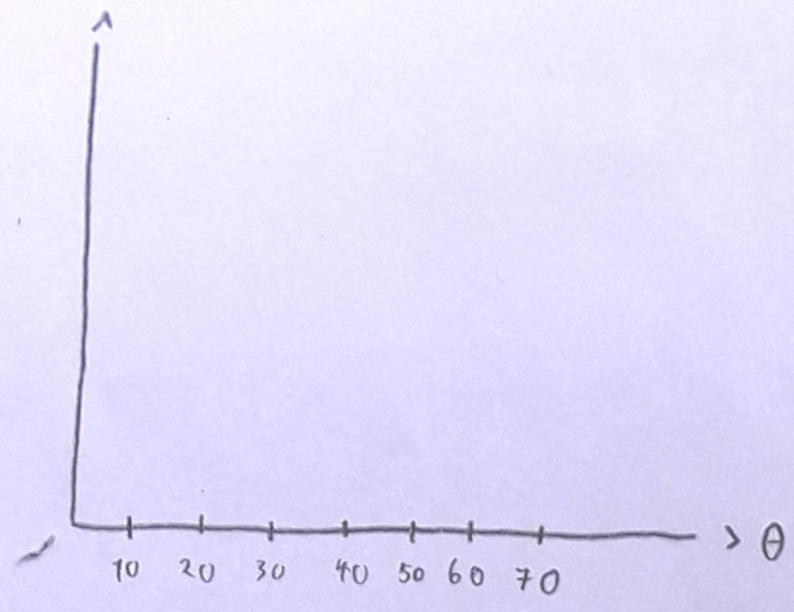
$$V = \frac{\text{intenzitet polarizirane komponente}}{\text{ukupni intenzitet}}$$

$$= \frac{I_p}{I_p + I_n} \rightarrow \text{stupanj polarizacije snopa}$$

Za $\theta_1 = \theta_B$ -> zraka potpuno polarizirana

$\theta = 90^0 - \phi$

$\theta_B \sim \quad ^0 \pm ^0$



$n_2 \sim \quad \pm$

(dodatne formule na samom laboso zon $\pm$)

$E = E_1 \cdot \sin(\omega t - kx)$

$E_2 = E_1 \cdot \sin(\omega t - kx) \cdot \cos(\theta)$

$= E(t) \cdot \cos(\theta)$

$I = \frac{E_1^2}{2 \cdot \mu_0 \cdot c}$, $\mu_0 = 4 \cdot \pi \cdot 10^{-7} \frac{N}{A^2}$

$I_2 = \frac{[E_1 \cdot \cos(\theta)]^2}{2 \cdot \mu_0 \cdot c}$

$= I_1 \cdot \cos^2(\theta)$

I_{min} jest pri: $\theta \sim \quad ^0$

I_{max} jest pri: $\theta \sim \quad ^0$

$I_{max} = I_{p0} + \frac{I_{n0}}{2} \qquad I_{min} = \frac{I_{n0}}{2}$

$V = \frac{I_{p0}}{I_{p0} + I_{n0}}$

$= \frac{I_{max} - I_{min}}{I_{max} + I_{min}}$

$I_{Rmax} =$ $\qquad$ $I_{Tmax} =$

$I_{Rmin} =$ $\qquad$ $I_{Tmin} =$

$V_R =$ $\qquad$ $V_T =$