







 $\int_{1}^{\infty} = \frac{1}{Q_{1} + Q_{2} - Q_{1}Q_{2}d}$ Fordering: -== = 0 bzw. f -> 0

Parallel eintertude Strahlen sollen auch parallel =) 0 = Q1+O2 - O1 D2 d austreten.

 $\cos \alpha = \frac{\Delta r}{x}$ $\cos \alpha' = \frac{\Delta r'}{x'}$ $X = L_0 - L_0 \qquad ; \quad X = \mathcal{R}_1 L_2 - L_2$

 $X' = (r_0''(1-D_1d)+dx)-(r_0'(1-D_1d)+dx)$ Definition von Ar fraglich. For olf sinnvollers Alematic Febral

= (1-O1d)x

$$\Delta \Gamma' = \cos\alpha' + (1-Q_1 d) \times = \cos\alpha' \cdot (1-Q_1 d) \cdot \frac{\Delta \Gamma}{\cos\alpha} = \frac{\cos((1-Q_1 d)_1)}{\cos\alpha} \cdot (1-Q_1 d) \times (1-Q_1$$

B)
$$n = \frac{c}{v} = \frac{s}{c \cdot t} = 1$$
 $\Delta t = \frac{\Delta n}{c \cdot s} = \int_{us} \frac{n_1}{n_2} = \int_{us} \frac{sin \alpha_2}{s} = \int_{us} \frac{\Delta n}{n_2} = \int_{us} \frac{n_1}{n_2} = \int_{us} \frac{sin \alpha_2}{s} = \int_{us} \frac{\Delta n}{n_2} = \int_{us} \frac{\Delta n}{n_2} = \int_{us} \frac{n_1}{n_2} = \int_{us} \frac{\Delta n}{n_2} = \int_{us} \frac{\Delta n}{n_2} = \int_{us} \frac{n_1}{n_2} = \int_{us} \frac{\Delta n}{n_2} = \int_{us} \frac{$

$$---\frac{\partial}{\partial n_1} - \frac{\partial}{\partial n_2} - \frac{\partial}{\partial n_2}$$

$$\frac{n_{-1}}{\sqrt{2}} = \frac{1}{2} \cdot \sin \alpha = n_{2} \cdot \sin \left(\frac{\pi}{2} - \Theta\right) = n_{2} \cdot \cos \left(\Theta\right)$$

$$\frac{\pi}{2} - \Theta$$

$$8 \quad \alpha = \arcsin \left(n_{2} \cdot \cos \left(6\right) \right) = 41.8^{\circ} = 41.8^{\circ}$$

$$= 41.8^{\circ} = 41.8^{\circ}$$

d) unde) WTF?

$$\sin \theta = \frac{R-r}{R+r} \iff (R+r)\sin \theta = R-r$$

$$R=r \cdot \frac{1+\sin \theta}{1-\sin \theta} = 2,2cm$$

$$Selpe \theta = \theta_c ein.$$

4,515

Hausaufpabet

$$F(y,y) = falk$$
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 $F(y,y)$

