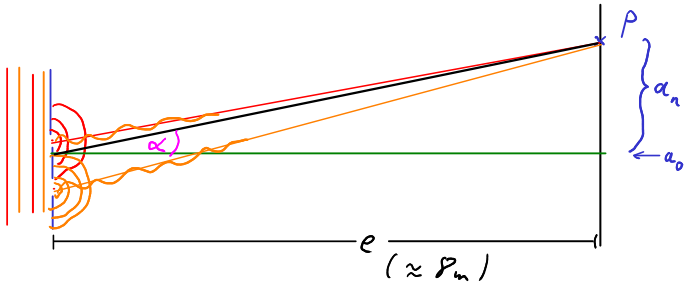
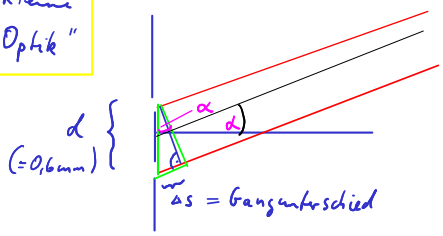
konstruktive oder destruktive Interferenz ?

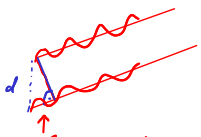
„große Optik"



$$\tan\alpha = \frac{a_n}{e}$$

„kleine Optik"





Gangunterschied $\Delta s = \lambda$ („Lambda") = 1 Wellenlänge

im △:

$$\sin\alpha = \frac{\Delta s}{d}$$

$$\Rightarrow \boxed{\Delta s = d \cdot \sin\alpha}$$

$\Rightarrow$ konstr. Int., wenn $\Delta s = n \cdot \lambda$, $n = 1, 2, 3, \ldots$ („ganzz. Vielf. von λ")

destr. Int., wenn $\Delta s = (n + \frac{1}{2}) \cdot \lambda$, $n = 0, 1, 2, 3 \ldots$