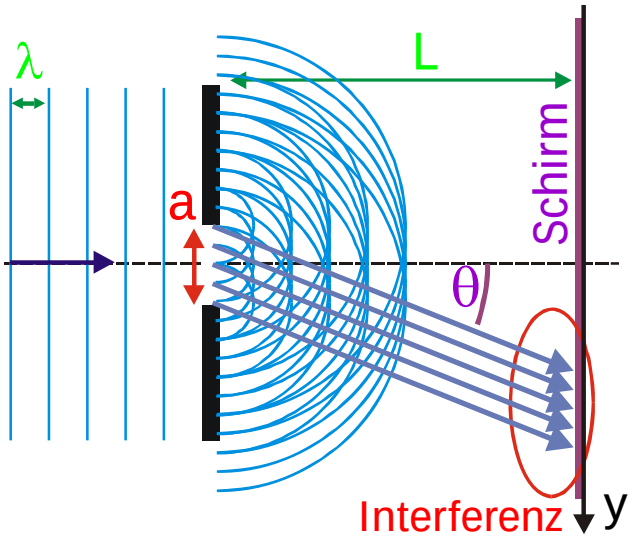
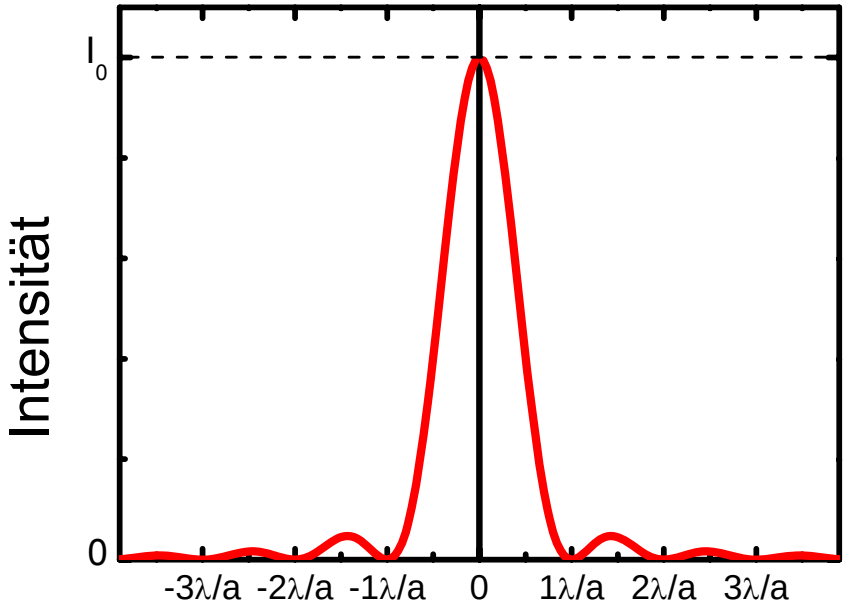
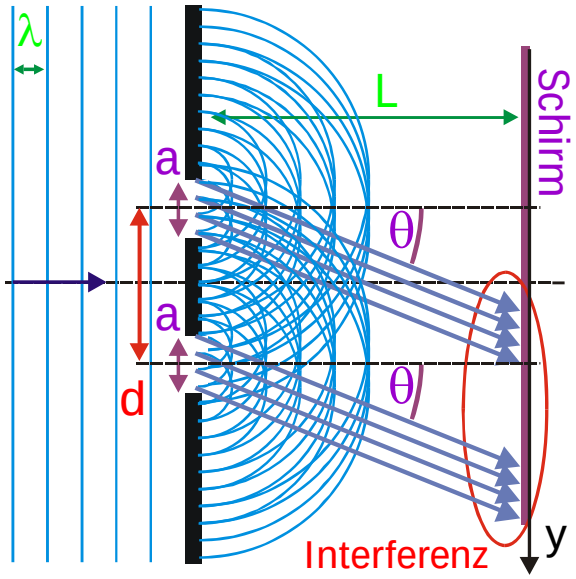
Beugung am endlich breiten Spalt

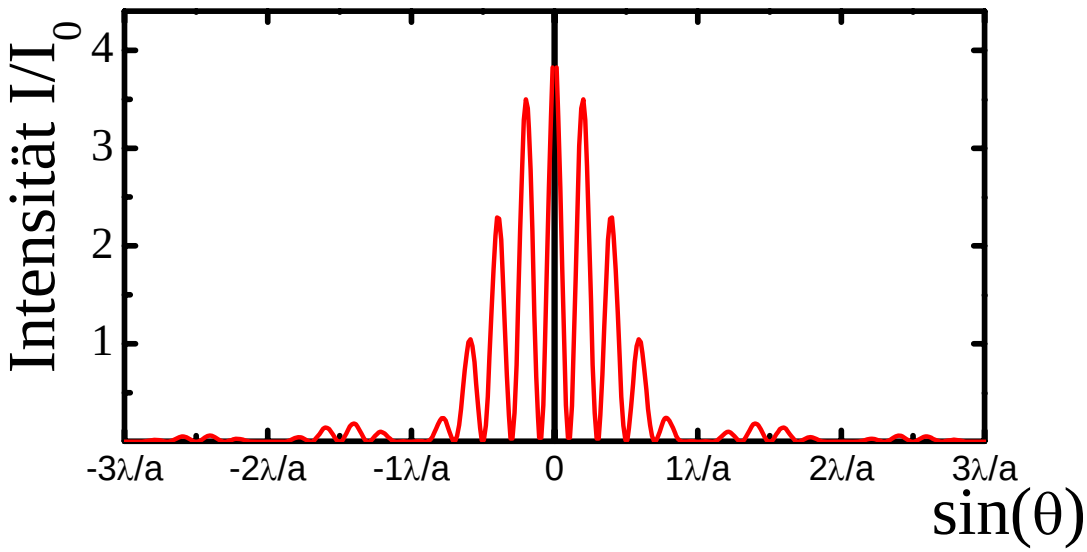




$$\bar{I}(\theta) = \left\langle \varepsilon_0 \, c \, \vec{\Phi}^2 \right\rangle_t = I_0 \frac{\sin^2\left(\frac{\pi a}{\lambda}\sin\theta\right)}{\left(\frac{\pi a}{\lambda}\sin\theta\right)^2}$$

Beugung am endlich breiten Doppelspalt





$$\bar{I}(\theta) = 4I_0 \cos^2\left(\frac{\pi d}{\lambda}\sin\theta\right)\frac{\sin^2\left(\frac{\pi a}{\lambda}\sin\theta\right)}{\left(\frac{\pi a}{\lambda}\sin\theta\right)^2}$$