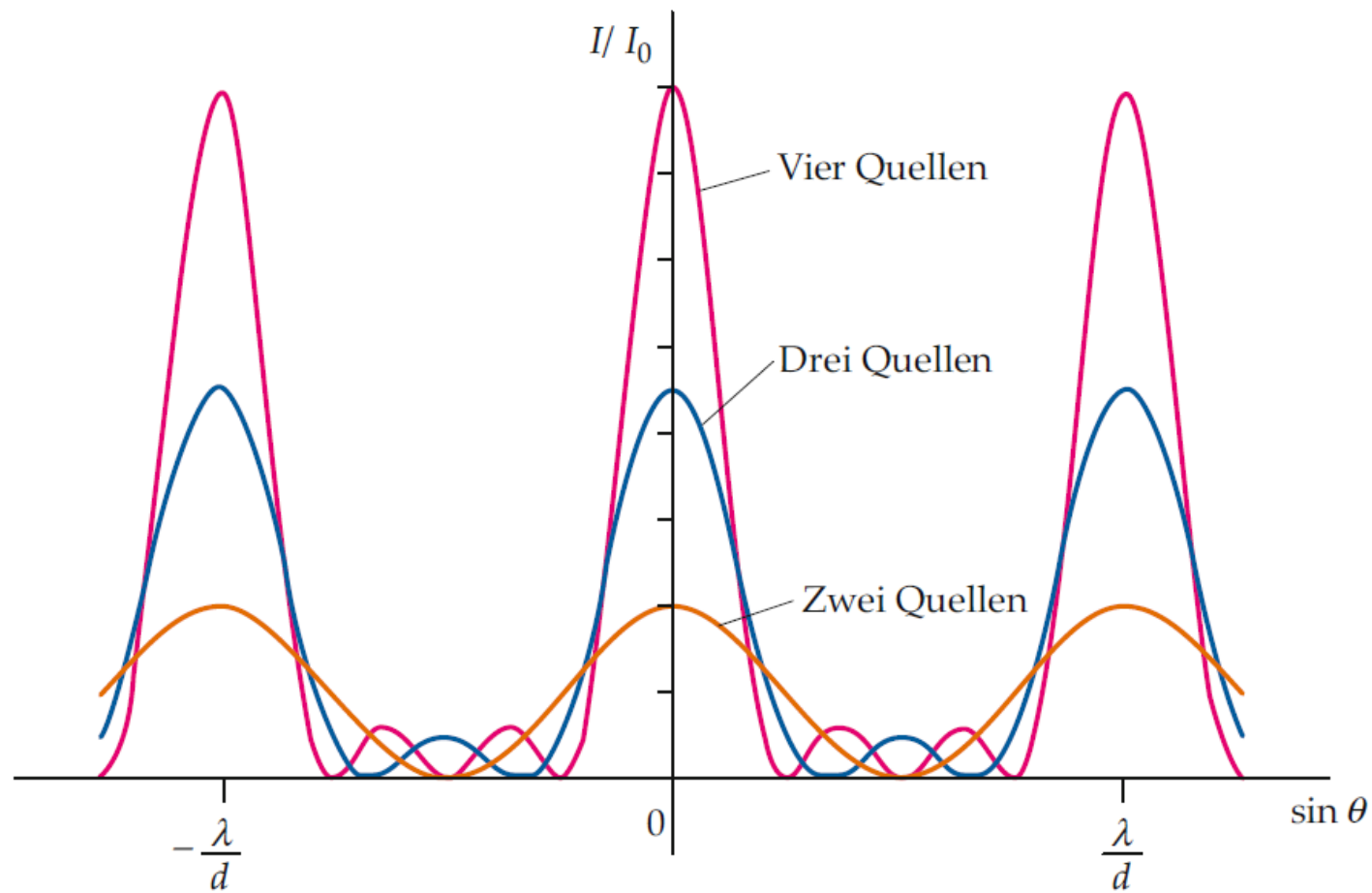
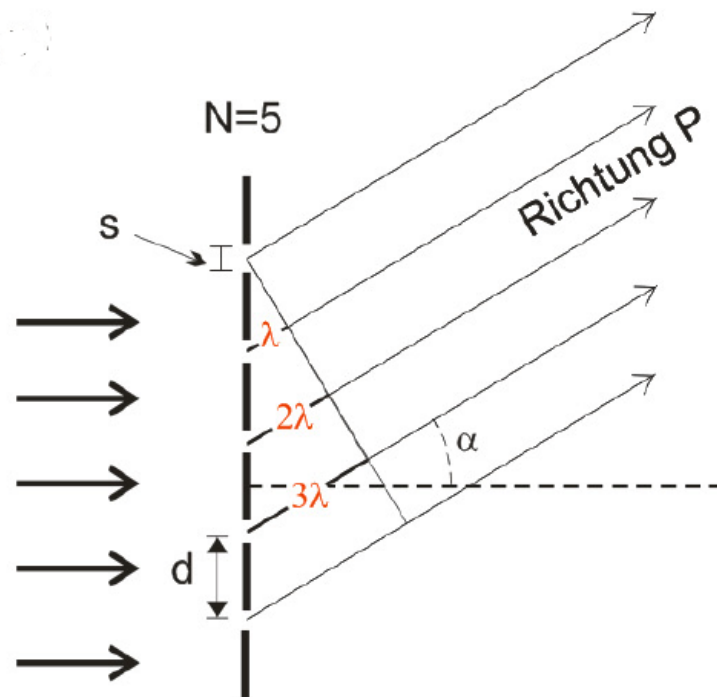


Beugung am idealen Gitter

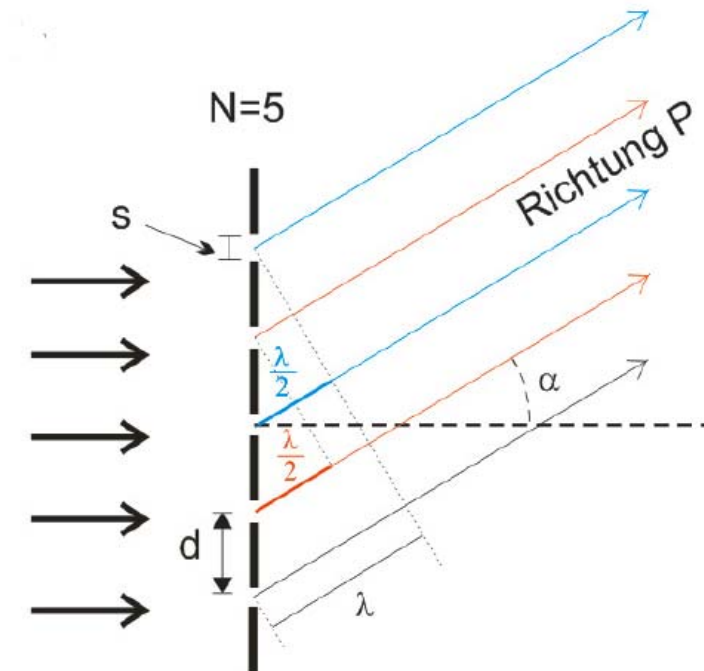


Beugung am idealen Gitter: Konstruktive Interferenz



$$d \cdot \sin(\alpha) = m \cdot \lambda \quad (m. \text{ Helligkeitsmaximum})$$

Beugung am idealen Gitter: Destruktive Interferenz



$$N \cdot d \cdot \sin(\alpha_{\min}) = \lambda \quad (1. \text{ Helligkeitsminimum})$$