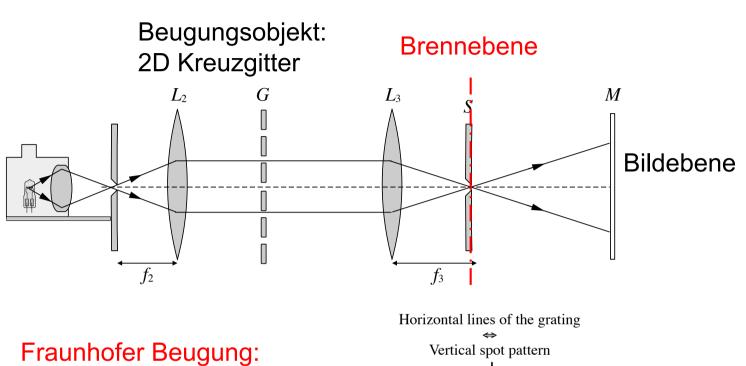
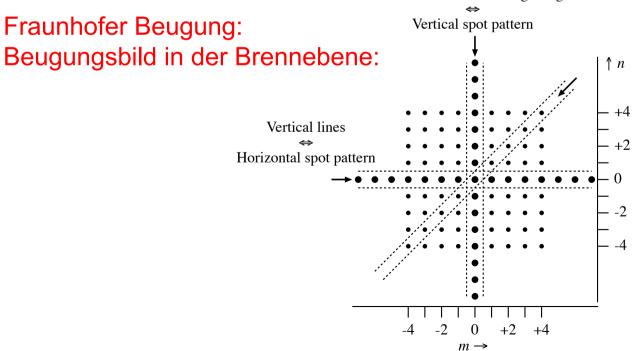
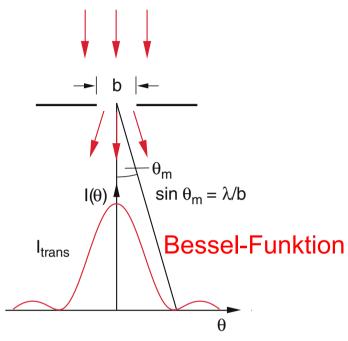
Der Versuch von Ernst Abbe

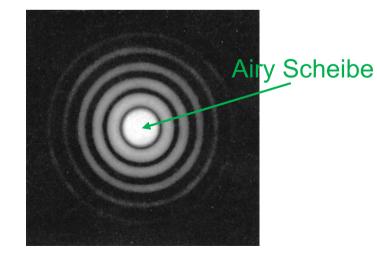




Kreisblende und Auflösungsvermögen

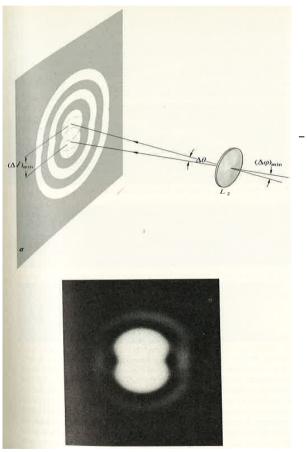


1. Minimum: $\sin \Theta = 1.22 \lambda/b$

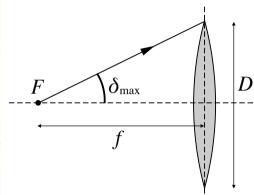


Demtröder, Experimentalphysik II, Springer-Verlag

Auflösungsvermögen: kleinstes *b*?



Hecht, Optics, Addison Wesley



Linse: $NA = n \sin \Theta_{max}$

$$b_{\text{min}}$$
= 1.22 λ /NA

In der Fotographie: $NA = \sin \Theta_{max} = D/(2f)$ bzw. f/# = f/D