Experimental Physics 3 - Em-Waves, Optics, Quantum mechanics

Lecture 13

Prof. Dr. Frank Cichos WS 2020/21



2.3 Diffraction

Diffraction Grating





Diffraction Grating



Diffraction Grating





 $\sin(\theta) = \frac{\lambda}{Nd}$

Diffraction Grating - Spectral Resolution





Gratings





Fresnel Zones





Fraunhofer / Fresnel Diffraction





3. Electromagnetic Optics

Electromagnetic Spectrum

Electromagnetic Waves

Electromagnetic Waves - Plane Waves, Spherical Waves

