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

## Lecture 13

### 2.3 Diffraction

## Diffraction Grating



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$\sin (\theta)=\frac{\lambda}{N d}$

## Diffraction Grating - Spectral Resolution




Gratings


Fresnel Zones


## Fraunhofer / Fresnel Diffraction




3. Electromagnetic Optics

## Electromagnetic Spectrum



Electromagnetic Waves


Electromagnetic Waves - Plane Waves, Spherical Waves


