

## Lecture 9: X-Ray Diffraction

Diffraction

X-Ray Diffraction

Interference/Interfere

Bragg's Law

Crystallography

Slit

Constructive Interference

Destructive Interference

Principle of Superposition

Standing Wave

Huygens-Fresnel Principle

Wavelet

Refraction

Single-Slit Diffraction

Fast Fourier Transform

Diffractometer

Systematic Absences or Systematic Extinction

衍射

X 射线衍射

干涉

布拉格定律

晶体学

缝隙

相长干涉

相消干涉

叠加原理

驻波

惠更斯 - 菲涅耳原理

小波

折射

单缝衍射

快速傅里叶变换

衍射仪

系统消光