

## CHAPTER OVERVIEW

### 3: X-rays

#### Topic hierarchy

- 3.1: Absorption edge
- 3.2: Anomalous absorption
- 3.3: Anomalous dispersion
- 3.4: Anomalous scattering
- 3.5: Borrmann Effect
- 3.6: Bragg's law
- 3.7: Bragg angle
- 3.8: Cromer–Mann coefficients
- 3.9: Dynamical diffraction
- 3.10: Dynamical theory of Scattering
- 3.11: Electron density map
- 3.12: Ewald sphere
- 3.13: F(000)
- 3.14: Friedel's Law
- 3.15: Friedel pair
- 3.16: Integral reflection conditions
- 3.17: Kinematical theory
- 3.18: Laue equations
- 3.19: Lorentz–polarization correction
- 3.20: Mosaic crystal
- 3.21: Primary extinction
- 3.22: Reflection conditions
- 3.23: Resolution
- 3.24: Resonant scattering
- 3.25: Secondary extinction
- 3.26: Serial reflection conditions
- 3.27: Structure Factor
- 3.28: Systematic absences
- 3.29: Zonal reflection conditions

---

This page titled [3: X-rays](#) is shared under a [CC BY 4.0](#) license and was authored, remixed, and/or curated by [Online Dictionary of Crystallography](#) via [source content](#) that was edited to the style and standards of the LibreTexts platform.