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Nota di contenuto	""Contents""; ""Preface""; ""Chapter 1. Introduction""; ""1.1 What Is X-ray Crystallography?""; ""1.2 A Quick Look at Protein Crystals""; ""1.3 Noncrystalline Specimens""; ""1.4 Summary""; ""Further Reading""; ""Chapter 2. A Physical Understanding of Diffraction""; ""2.1 What Is Diffraction?""; ""2.2 Diffraction from One-Dimensional Crystals""; ""2.3 Reconstructing Images from Diffraction Patterns""; ""2.4 Summary""; ""Further Reading""; ""Chapter 3. Diffraction from Three-Dimensional Crystals""; ""3.1 The Electron Density Function in Three Dimensions"" ""3.2 Calculating the Diffraction Pattern from a Known Structure"" ""3.3 Summary""; ""Further Reading""; ""Chapter 4. Phase Determination by Isomorphous Replacement""; ""4.1 Measuring the Phases""; ""4.2 MAD Phasing""; ""4.3 Fitting Models to Experimental Electron Density Maps""; ""4.4 Summary""; ""Further Reading""; ""Chapter 5. The Patterson Function""; ""5.1 Definition of the Patterson Function""; ""5.2 Using the Patterson Function to Locate Atoms""; ""5.3 Summary""; ""Further Reading""; ""Chapter 6. Phasing with Partially Known Structures""; ""6.1 Difference Fourier Maps"" ""6.2 Molecular Replacement"" ""6.3 Summary""; ""Further Reading""; ""Chapter 7. Crystallographic Refinement""; ""7.1 Refinement Improves the Model""; ""7.2 Least-Squares Refinement""; ""7.3 Summary""; ""Further Reading""; ""Glossary""; ""A""; ""B""; ""C""; ""D""; ""E""; ""F"";

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