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Nota di bibliografia	Includes bibliographical references (pages 343-351) and index.
Nota di contenuto	Front Cover; Contents; Preface; 1. Introduction: The optical nature of a charged particle beam; 2. Geometrical optics; 3. Wave optics; 4. Particle scattering; 5. Electron emission from solids; Appendix A: The Fourier transform; Appendix B: Linear second-order differential equation; Bibliography
Sommario/riassunto	Charged Particle Optics Theory: An Introduction identifies the most important concepts of charged particle optics theory, and derives each mathematically from the first principles of physics. Assuming an advanced undergraduate-level understanding of calculus, this book follows a logical progression, with each concept building upon the preceding one.