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ISBN	3-527-66452-1 3-527-66449-1 3-527-66451-3
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Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Description based upon print version of record.
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Cover; Related Titles; Title Page; Copyright; Dedication; Preface; Part 1: Introduction; Chapter 1: Introduction; 1.1 Motivation; 1.2 Comparing X-Rays with Optical Radiation; 1.3 Novel X-Ray Sources; 1.4 Unit Systems; 1.5 Overview of Lagrangian and Hamiltonian Mechanics; 1.6 Approximations; Chapter 2: Review of Some Concepts in Quantum Mechanics; 2.1 Introduction; 2.2 Dirac's Bra-Ket (Bracket) Notation; 2.3 Eigenvalues and Eigenfunctions; 2.4 Functions of Operators; 2.5 Point Particle in a Radially Symmetric Potential; 2.6 Mixed States 2.7 Schrodinger and Heisenberg Pictures of Quantum Mechanics 2.8 Representing Quantum Mechanics in Position and Momentum Space; 2.9 Transition from Classical Mechanics to Quantum Mechanics; 2.10 Molecular Orbital Approximation; Part II: Quantization of the Free Electromagnetic Field; Chapter 3: Classical Electromagnetic Fields; 3.1 Introduction; 3.2 Maxwell's Equations; 3.3 Electromagnetic Potentials; 3.4 Transverse and Longitudinal Maxwell's Equations; 3.5 The Free Electromagnetic Field as a Sum of Mode Oscillators 3.6 Charged Particle in an Electromagnetic Field and the Minimal-Coupling Hamiltonian Chapter 4: Harmonic Oscillator; 4.1 Introduction;

4.2 Classical Harmonic Oscillator with One Degree of Freedom; 4.3 Quantum Mechanical Harmonic Oscillator; 4.4 N-Dimensional Quantum Mechanical Harmonic Oscillator; Chapter 5: Quantization of the Electromagnetic Field; 5.1 Introduction; 5.2 Transition to a Quantum Mechanical Description; 5.3 Photon Number States (Fock States); 5.4 Photons; Chapter 6: Continuous Fock Space; 6.1 Introduction; 6.2 Three-Dimensional Continuum Field; 6.3 One-Dimensional Treatment Chapter 7: Coherence 7.1 Introduction; 7.2 Review of Classical Coherence Theory; 7.3 Quantum Coherence Theory; Chapter 8: Examples for Electromagnetic States; 8.1 Introduction; 8.2 Quantum Phase of Radiation Fields; 8.3 Single-Mode States; 8.4 Multimode States; 8.5 One-Dimensional Continuum Mode States; Part III: Interaction of X-Rays with Matter; Chapter 9: Interaction of the Electromagnetic Field with Matter; 9.1 Introduction; 9.2 Tensor Product of Matter and Radiation Hilbert Spaces; 9.3 Interaction Hamiltonian for the Electromagnetic Field and Matter Chapter 10: Time-Dependent Perturbation Theory 10.1 Introduction; 10.2 Interaction Picture; 10.3 Transition Probabilities; 10.4 Perturbative Expansion of Transition Amplitudes; 10.5 Time-Dependent Perturbation Theory for Mixed States; Chapter 11: Application of Perturbation Theory to the Interaction of Electromagnetic Fields with Matter; 11.1 Introduction; 11.2 Feynman Diagrams; 11.3 Mixed States; Part IV: Applications of X-Ray-Matter-Interaction Theory; Chapter 12: X-Ray Scattering by Free Electrons; 12.1 Introduction; 12.2 Energy and Momentum Conservation; 12.3 Scattering Cross Section 12.4 Scattering From an Electron at Rest

Sommario/riassunto

Providing a solid theoretical background in photon-matter interaction, Nonrelativistic Quantum X-Ray Physics enables readers to understand experiments performed at XFEL-facilities and x-ray synchrotrons. As a result, after reading this book, scientists and students will be able to outline and perform calculations of some important x-ray-matter interaction processes. Key features of the contents are that the scope reaches beyond the dipole approximation when necessary and that it includes short-pulse interactions. To aid the reader in this transition, some relevant examples are discussed in

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| 2. Record Nr. | UNIORUON00138929 |
| Autore | PALLICKAL, K. P. |
| Titolo | Adyatte kanmani / K. P. Pallickal |
| Pubbl/distr/stampa | [s. l.], : [s. n.], 1967 |
| Descrizione fisica | IV, 143 p. ; 23 cm |
| Classificazione | SI VI MM |
| Soggetti | LETTERATURA MALAYALAM - NARRATIVA |
| Lingua di pubblicazione | Malayalam |
| Formato | Materiale a stampa |
| Livello bibliografico | Monografia |
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- | | |
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| 3. Record Nr. | UNISA996590468603316 |
| Autore | HOBSON, John Atkinson <1858-1940.> |
| Titolo | Imperialism : a study / by J.A. Hobson |
| Pubbl/distr/stampa | New York, : Gordon Press, 1975 |
| Descrizione fisica | Testo elettronico (PDF) (VIII, 386 p.) |
| Disciplina | 321.03 |
| Soggetti | Imperialismo |
| Lingua di pubblicazione | Inglese |
| Formato | Risorsa elettronica |
| Livello bibliografico | Monografia |
| Sommario/riassunto | <p>Publicato per la prima volta nel 1902, il lavoro fondamentale di Hobson fu tra i primi a stabilire un collegamento tra l'economia politica e l'espansionismo imperialista delle nazioni capitaliste avanzate all'inizio del XX secolo. Devastante critica morale del cinismo omicida dell'imperialismo, il libro di Hobson aprì la strada alle influenti teorie marxiste dell'imperialismo avanzate da Lenin, Bukharin e altri. Fornisce un quadro inestimabile per comprendere il militarismo e la guerra nel</p> |

21° secolo. È una riflessione deprimente sulla nostra condizione il fatto che lo studio pionieristico di J. A. Hobson sul rapporto tra finanza e impero conservi molta attualità oggi, a più di cento anni dalla sua prima pubblicazione.
