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5.2. Semiempirical Models of the Nonlinear Optical SusceptibilityModel of Boling, Glass, and Owyong; 5.3. Nonlinear Optical Properties of Conjugated Polymers; 5.4. Bond-Charge Model of Nonlinear Optical Properties; 5.5. Nonlinear Optics of Chiral Media; 5.6. Nonlinear Optics of Liquid Crystals; Problems; References; Chapter 6. Nonlinear Optics in the Two-Level Approximation; 6.1. Introduction; 6.2. Density Matrix Equations of Motion for a Two-Level Atom; 6.3. Steady-State Response of a Two-Level Atom to a Monochromatic Field; 6.4. Optical Bloch Equations  
6.5. Rabi Oscillations and Dressed Atomic States

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Sommario/riassunto

Nonlinear optics is the study of the interaction of intense laser light with matter. The third edition of this textbook has been rewritten to conform to the standard SI system of units and includes comprehensively updated material on the latest developments in the field. The book presents an introduction to the entire field of optical physics and specifically the area of nonlinear optics, covering fundamental issues and applied aspects of this exciting area. Nonlinear Optics will have lasting appeal to a wide audience of physics, optics, and electrical engineering students, as we

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