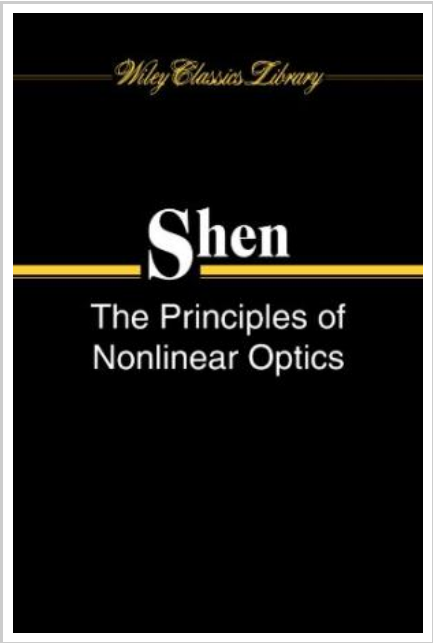

The Principles of Nonlinear Optics

By Shen, Y. R.

Wiley-Interscience, 2002. Book Condition: New. Brand New, Unread Copy in Perfect Condition. A+ Customer Service! Summary: Introduction. Nonlinear Optical Susceptibilities. General Description of Wave Propagation in Nonlinear Media. Electrooptical and Magnetooptical Effects. Optical Rectification and Optical Field-Induced Magnetization. Sum-Frequency Generation. Harmonic Generation. Difference Frequency Generation. Parametric Amplification and Oscillation. Stimulated Raman Scattering. Stimulated Light Scattering. Two-Photon Absorption. High-Resolution Nonlinear Optical Spectroscopy. Four-Wave Mixing. Four-Wave Mixing Spectroscopy. Optical-Field-Induced Birefringence. Self-Focusing. Multiphoton Spectroscopy. Detection of Rare Atoms and Molecules. Laser Manipulation of Particles. Transient Coherent Optical Effects. Strong Interaction of Light with Atoms. Infrared Multiphoton Excitation and Dissociation of Molecules. Laser Isotope Separation. Surface Nonlinear Optics. Nonlinear Optics in Optical Waveguides. Optical Breakdown. Nonlinear Optical Effects in Plasmas. Index.

Reviews

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