



Nonlinear Optics

By D. L. Mills

Springer Berlin Heidelberg Jun 1998, 1998. Taschenbuch. Condition: Neu. Neuware - The text develops the basic principles that underlie nonlinear optical phenomena in matter, in an approach oriented to the general reader or student with a background in classical electromagnetic theory. It begins with a discussion of linear wave propagation in dispersive media, moves into weak nonlinearities which can be discussed in a perturbative manner, then examines strong nonlinear effects (solitons, chaos). The emphasis is on the macroscopic description of nonlinear phenomena, within a semi-classical framework. The text is aimed at the student or researcher who is not a specialist in optics, and who wishes to acquire an introduction to the principal concepts as a precursor to the consultation of the specialized literature. 280 pp. Englisch.



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