

Ion M. Popescu

F I Z I C A
OPTICA NELINIARĂ

NONLINEAR OPTICS

by Ion M. Popescu

Nonlinear optics includes: introduction to nonlinear optics; Maxwell's equations in nonlinear media and the nonlinear wave equation; nonlinear optical susceptibilities; second-order nonlinear optics; third-order nonlinear optics; coupled-wave theory of three-wave mixing and of four-wave mixing; anisotropic and dispersive nonlinear media; optical solitons and future extensions.

This book is addressed to those persons who are acquainted with mathematics and physics fundamentals. It is useful for students and teachers from the technical, physics and chemistry faculties.

prof. univ. dr. Ion M. POPESCU

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