

## Nonlinear photonics and novel optical phenomena

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### Abstrak

Nonlinear photonics and novel optical phenomena contains contributed chapters from leading experts in nonlinear optics and photonics, and provides a comprehensive survey of fundamental concepts as well as hot topics in current research on nonlinear optical waves and related novel phenomena. The book covers self-accelerating airy beams, integrated photonics based on high index doped-silica glass, linear and nonlinear spatial beam dynamics in photonic lattices and waveguide arrays, the theory of polariton solitons in semiconductor microcavities, and terahertz waves.