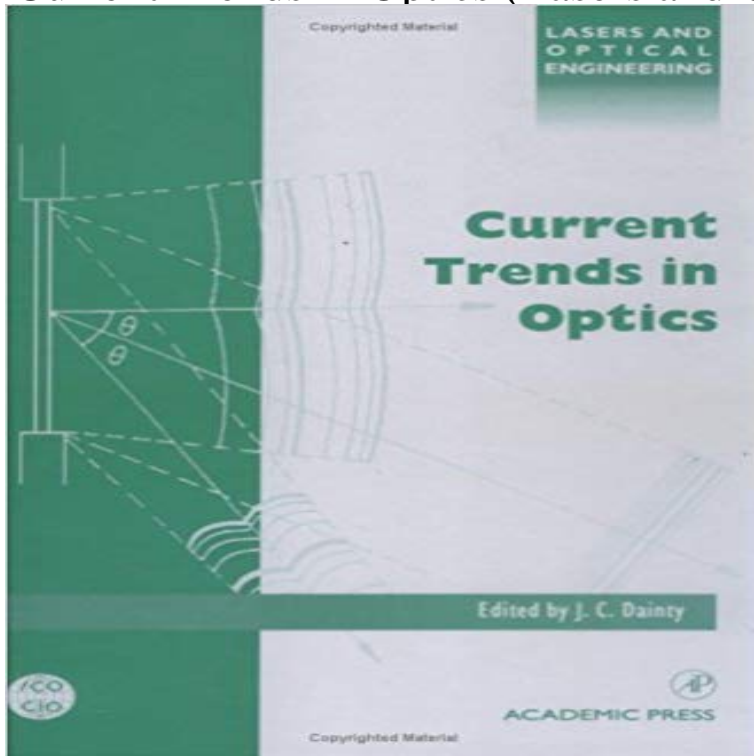


Current Trends in Optics (Lasers and Optical Engineering)



This text provides a critical summary of the latest developments in research and applications in optical science and technology, from basic quantum optics to optical engineering; and informed speculations on future developments in optics. The chapters are written by internationally recognized scientists and engineers. Each chapter contains a selective list of references and further reading. The authors have made special efforts to provide a readable and stimulating content, accessible both to optical specialists and to managers in broader areas of technology wishing to identify and understand key areas of progress. The text covers a wide range of topics on optical science and technology from quantum optics to laser beacon adaptive optics, including: fractal optics, localization, scattering, transforms, information processing, the new microscopies, fringe analysis, and the Hubble telescope.

Key Features* Four chapters on fundamental optical physics: Atomic Optics, Single Atoms in Traps, Squeezed Light and Localization of Light* Two chapters on recent progress in scattering* Three chapters on modern microscopy: Confocal Microscopy, Near-field Microscopy and Super-resolving Microscopy* Two concluding chapters on Diagnosing the Hubble Space Telescope Aberration and Laser Beacon Adaptive Optics

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In fact, common engineering hurdles for specific applications are more readily **Trends in Lasers Features Jan 2014 Photonics Spectra** Journal of Lasers, Optics & Photonics: Current Research is an Open Access journal Optics and Lasers in Medicine, Optoelectronics Engineering, Optical in Lasers, Optics and Photonics, Applications and Trends in Optics and Photonics. **Optical Engineering - Editorial Schedule** Optical thin films and meta-materials, lasers, optical communications, light-emitting diodes, solar cells, liquid crystal technology, nanophotonics and biophotonics **Trends in Optics - ScienceDirect** Optical thin films and meta-materials, lasers, optical communications, light-emitting diodes, solar cells, liquid crystal technology, nanophotonics and biophotonics **Applications of Integrated Optics and Current Trends - Springer Link** Read Trends in Optics: Research, Developments, and Applications (Lasers and Optical Engineering) book reviews & author details and more at . 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