



Fiber Bragg Grating Solitons in Resonant and Non-Resonant Media

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Condition: New. Publisher/Verlag: LAP Lambert Academic Publishing | Photonics | This book deals with the generation of solitons in a nonlinear fiber Bragg grating. Further, the soliton study has been carried out both in resonant and non-resonant media. Optical soliton is a light pulse that arises due to the dynamical balancing effects of chirping produced by dispersion (linear effect) and self-phase modulation (nonlinear effect). Undoubtedly, solitons have been one of most researched areas in the field of nonlinear fiber optics owing to the possibility of realizing dispersion-free fiber communication networks. It is envisioned that in this age of exploding bandwidth requirement, solitons will play an indispensable role, especially, in telecommunication industry. | Format: Paperback | Language/Sprache: english | 156 pp.

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