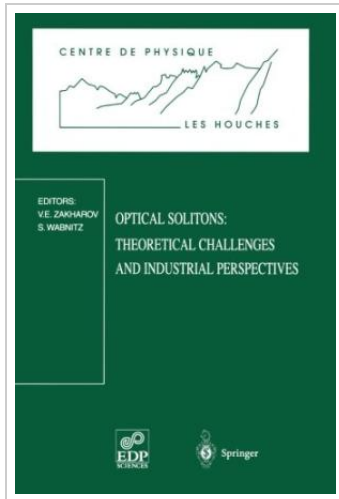




Optical Solitons: Theoretical Challenges and Industrial Perspectives: Les Houches Workshop, September 28 October 2, 1998

By -

Springer. Paperback. Condition: New. 384 pages. Dimensions: 9.2in. x 6.1in. x 0.9in. 12 V. E. Zakharov and S. Wabnitz 1 L. D. Landau Institute for Theoretical Physics, 2 Kosygin Str. , 117334 Moscow, Russia 2 Laboratoire de Physique, University of Bourgogne, 9 avenue A. Savary, 21078 Dijon, France After about a quarter of a century since the first theoretical predictions of optical solitons, the industrial application of the optical soliton concept is near to reality in the booming field of modern telecommunications, where the demand for high-speed data transmission and routing is of ever-growing. This book contains a set of lectures that were presented at a Les Houches school on optical solitons in September 1998. The school was successful in gathering among the lecturers most of the well-recognized world leaders in the field of optical solitons. A variety of different aspects of research into optical solitons was exposed in the lectures, ranging from the mathematical foundations of integrability theory to the rapidly evolving technological advances of fiber soliton-based telecommunication systems. The overall impression that the participants and the students received from the school is that this field of research is an excellent example of the rapid transfer...



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