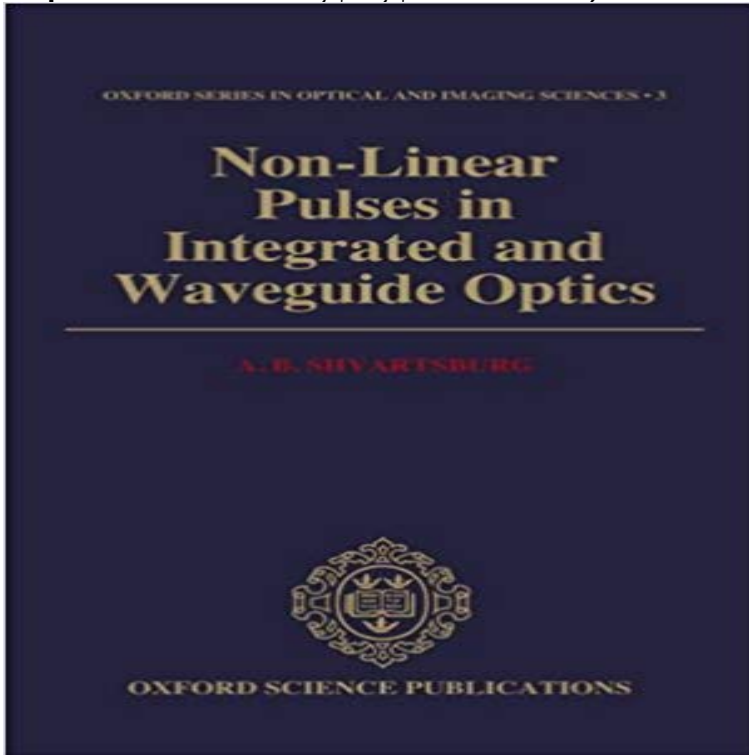


Non-Linear Pulses in Integrated and Waveguide Optics (Oxford Series in Optical and Imaging Sciences)



This is a self-contained, highly readable introduction to a new field of applied physics that makes use of non-linear optics in the design of new all-optical circuits. The book primarily considers third-order non-linear optical phenomena in layered structures, guiding interfaces, and channel waveguides, particularly focusing on the concepts of energy dependent periodicity, gyrotropy, reflection, mode conversion, and non-reciprocity. Non-Linear Pulses in Integrated and Waveguide Optics is an indispensable text for those requiring a structured explanation of the phenomena as well as information about the latest advances in a new generation of devices. Researchers, designers, users, and students of non-linear integrated optics will welcome this book.

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