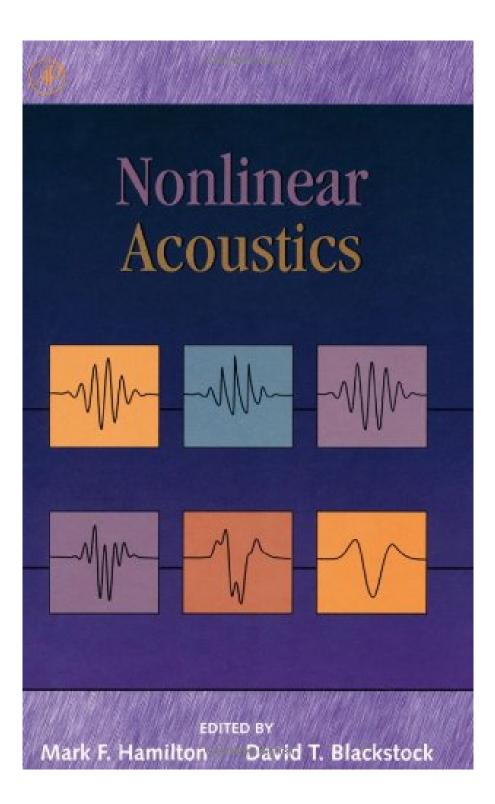


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The present book is a unique text and reference on the theory and applications of nonlinear acoustics. Individual chapters are written by leading experts on their respective subjects. The book combined the merits of a graduate textbook format with the scholarly appeal of a research monograph for physicists and engineers.

The first half of the book develops physical concepts, mathematical models, and classical methods of solution. Benchmark experiments are also described. The second half covers special topics and applications, both theory and experiment.

#### About the Author

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Nonlinear Acoustics: Theory and Applications is an introductory text on the theory and applications of nonlinear acoustics. This book develops the theory on nonlinear acoustics from physical principles. The first half of the book develops the physical concepts, mathematical models, and classical methods of solution that form the theoretical framework of nonlinear acoustics. Benchmark experiences are described and many applications are discussed in detail. The second half covers special topics and applications, both theory and experiment. The material is accessible to anyone familiar with the principles normally encountered in a basic course on the physical aspects of linear acoustics. Each chapter is written by experts in their respective fields.

### Key Features

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