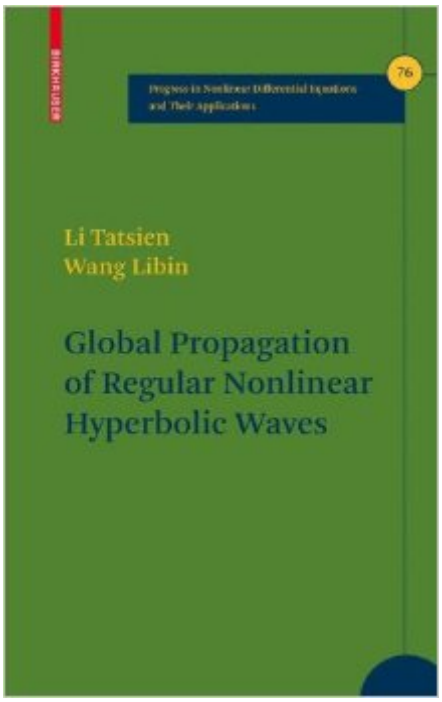
Global Propagation Of Regular Nonlinear Hyperbolic Waves (Progress In Nonlinear Differential Equations And Their Applications, No. 76)



Synopsis

This monograph describes global propagation of regular nonlinear hyperbolic waves described by first-order quasilinear hyperbolic systems in one dimension. The exposition is clear, concise, and unfolds systematically beginning with introductory material and leading to the original research of the authors. Topics are motivated with a number of physical examples from the areas of elastic materials, one-dimensional gas dynamics, and waves. Aimed at researchers and graduate students in partial differential equations and related topics, this book will stimulate further research and help readers further understand important aspects and recent progressÂ of regular nonlinear hyperbolic waves.

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