

NONLINEAR RANDOM WAVES

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World Scientific

Nonlinear Random Waves

Jane McKee Smith



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Nonlinear Random Waves and Turbulence in Nondispersive Media С. Н Гурбатов, А. Н Малахов, А. И Саичев, 1991
Nonlinear Random Waves in a Dispersive Medium Alan C. Newell, 1965 *Nonlinear Random Waves* Vladimir V. Konotop, Luis V zquez, 1994 This book is mainly devoted to the dynamics of the one dimensional nonlinear stochastic waves It contains a description of the basic mathematical tools as well as the latest results in the following fields exactly integrable nonlinear stochastic equations dynamics of the nonlinear waves in random media evolution of the random waves in nonlinear media and the basic concepts of the numerical simulations in nonlinear random wave dynamics A brief outline of the localization phenomenon in the nonlinear medium is also given The approach is interdisciplinary describing the general methods with application to specific examples The results presented may be useful for those who work in the areas of solid state physics hydrodynamics nonlinear optics plasma physics mathematical models of micromolecules and biological structures etc Since many results are based on the inverse scattering technique perturbation theory for solitons and the methods of the statistical radiophysics the terminology of the respective fields is used **Statistical Properties of Nonlinear Random Waves** Yong Jun Cho, 1990 Nonlinear Random Waves and Turbulence in Nondispersive Media S. N. Gurbatov, A. N. Malakhov, A. I. Saichev, 1991 *Structural Response Analysis Under Nonlinear Random Waves Using Various Mathematical Wave Spectra and Transient Wave Effect* Manish Gupta, 1994 **Coastal Engineering 2002: Solving Coastal Conundrums - Proceedings Of The 28th International Conference (In 3 Vols)** Jane McKee Smith, 2003-03-14 This book contains more than 300 papers presented at the 28th International Conference on Coastal Engineering held in Cardiff Wales in July 2002 It is divided into five parts coastal waves nearshore currents swash and long waves coastal structures sediment transport and coastal morphology beach nourishment and coastal management The papers cover a broad range of topics including theory numerical and physical modeling field measurements case studies design and management Coastal Engineering 2002 provides engineers scientists and planners with state of the art information on coastal engineering and coastal processes **Digital Simulation of Nonlinear Random Waves** Robert T. Hudspeth, Min-Chu Chen, 1979
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R. A. Ibrahim, Yu-Kweng Lin, 1994 *Summaries of Projects Completed in Fiscal Year ...* National Science Foundation
(U.S.), 1977 *Probability Density Functions for Nonlinear Random Waves and Responses* , 2002 **Nonlinear Processes
in Geophysics** , 2009 Nonlinear Random Wave Theory and Non-gaussian Structural Response Dongsheng Zhao, 1992
Nonlinear and Random Waves Anne de Bouard, 2023 Computational Stochastic Mechanics A. H.-D. Cheng, Cary Y.-W.
Yang, 1993 This text examines the computational aspect of applying the stochastic technique to the analysis of engineering
mechanics problems It includes research from fields where the techniques have reached a considerable level of
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