

Anjan Kundu (Ed.)  
**Tsunami and Nonlinear Waves**

The need for tsunami research and analysis has grown dramatically following the devastating tsunami of December 2004, which affected Southern Asia. This book pursues a detailed theoretical and mathematical analysis of the fundamentals of tsunamis, especially the evolution and dynamics of tsunamis and other great waves. Of course, it includes specific measurement results from the 2004 tsunami, but the emphasis centres on the nature of the waves themselves and their links to nonlinear phenomena. Throughout, methods of nonlinear dynamics and integrable systems are employed to develop novel concepts for more accurate prediction and hence the reduction of related impacts.



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