

1. Record Nr.	UNINA9910788647803321
Titolo	Mathematical problems in the theory of water waves : a workshop on the problems in the theory of nonlinear hydrodynamic waves, May 15-19, 1995, Luminy, France // F. Dias, J.-M. Ghidaglia, J.-C. Saut, editors
Pubbl/distr/stampa	Providence, Rhode Island : , : American Mathematical Society, , [1996] ©1996
ISBN	0-8218-7791-7 0-8218-5536-0
Descrizione fisica	1 online resource (264 p.)
Collana	Contemporary mathematics, , 0271-4132 ; ; 200
Disciplina	532/.593/0151
Soggetti	Wave-motion, Theory of Water waves
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Description based upon print version of record.
Nota di bibliografia	Includes bibliographical references.
Nota di contenuto	<p>""Contents""; ""Preface""; ""An appreciation of T. Brooke Benjamin (1929a€?1995)""; ""List of participants""; ""List of lectures""; ""Radiation and modulational instability described by the fifth-order Korteweg De Vries equation""; ""Numerical simulation of singular solutions of the generalized Korteweg-deVries equation""; ""Spatially quasi-periodic capillary-gravity waves""; ""On modulations of weakly nonlinear water waves""; ""Birkhoff normal forms for water waves""; ""Remarks on the stability of generalized KP solitary waves""</p> <p>""On the asymptotic integrability of a generalized Burgers equation""""</p> <p>Spatial instabilities and chaos in high-order Hamiltonian standing water waves""; ""Solitary wave interactions for the fifth-order KdV equation""; ""Forced Benjamin-Ono equations and related topics""; ""Nonlinear evolution of water surface waves: The frequency down-shift phenomenon""; ""Solitary waves on the free surface of a rotating cylindrical flow""; ""On a generalized Kadomtsev-Petviashvili equation""; ""A phenomenological description of soliton splitting during run up""</p> <p>""Asymptotic stability of nonlinear bound states in conservative dispersive systems""</p>

