1. Record Nr. UNINA9910825808903321 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 Providence, Rhode Island:.: American Mathematical Society.. [1996] Pubbl/distr/stampa ©1996 **ISBN** 0-8218-7791-7 0-8218-5536-0 Descrizione fisica 1 online resource (264 p.) Contemporary mathematics, , 0271-4132; ; 200 Collana 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. ""Contents""; ""Preface""; ""An appreciation of T. Brooke Benjamin Nota di contenuto (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"" ""On the asymptotic integrability of a generalized Burgers equation"""" 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"" ""Asymptotic stability of nonlinear bound states in conservative dispersive systems""