

## TABLE OF CONTENTS

Preface	v
Symmetries and Bi-Hamiltonian Structures of 2 + 1 Dimensional Systems <i>P. M. Santini &amp; A. S. Fokas</i>	1
Exactly Solvable Multidimensional Nonlinear Equations and Inverse Scattering <i>M. J. Ablowitz</i>	20
On the Inverse Scattering Transform for the n-dimensional Schrödinger Operator <i>R. B. Lavine &amp; A. I. Nachman</i>	33
Aspects of Integrability in One and Several Dimensions <i>A. S. Fokas</i>	45
Old and New Results on Recursion Operators: An Algebraic Approach to KP Equation <i>F. Magri &amp; C. Morosi</i>	78
Factorization of the Recursion Operators and the Integrability of Nonlinear Evolution Equations <i>H. H. Chen &amp; J. E. Lin</i>	97
A Geometrical Approach to Integrable Systems Admitting Time Dependent Invariants <i>W. Oevel</i>	108
Direct Linearization Method and Integrable Lattice Systems <i>H. W. Capel</i>	125
Integrable Hierarchies, Lagrangian Structures and Non-commuting Flows <i>F. W. Nijhoff</i>	150

Relativistic Calogero-Moser Systems and Solitons <i>S. N. M. Ruijsenaars</i>	182
Poisson-Drinfeld Groups <i>Y. Kosmann-Schwarzbach</i>	191
Symmetries and Constants of Motion for Some Nonlinear Evolution Equations <i>Y. Li &amp; Y. Cheng</i>	216
From Single Solitons to Auto-Bäcklund Transformations and Hereditary Symmetries <i>B. Fuchssteiner</i>	230
Exact Solutions of Burgers' Equation with Reaction Terms <i>J. Satsuma</i>	255
Investigation of the Periodic Liouville Equation <i>E. R. Tracy, A. J. Neil, H. H. Chen &amp; C. H. Chin</i>	263
Fredholm Determinant Methods for Continuous and Discrete Soliton Equations <i>Chr. Pöppe</i>	277
Painlevé Series, Recursion Operators and Bäcklund Transformations <i>W. Strampp &amp; F. Renner</i>	284
Symmetries and Involution Systems: Some Experiments in Computer Algebra <i>F. Schwarz</i>	290
Symplectic Geometry and Soliton Theory <i>J. P. Francoise</i>	300
Nonlinear Modulation of a Transversally Trapped Mode <i>F. Calogero &amp; P. C. Sabatier</i>	307
Normal Forms and Solitons <i>Y. Kodama</i>	319
List of Participants	341