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Centre de Recherches Mathématiques
Université de Montréal

Nonlinear Dynamics and
Renormalization Group

I. M. Sigal
C. Sulem
Editors



American Mathematical Society

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The Centre de Recherches Mathématiques (CRM) of the Université de Montréal was created in 1968 to promote research in pure and applied mathematics and related disciplines. Among its activities are special theme years, summer schools, workshops, postdoctoral programs, and publishing. The CRM is supported by the Université de Montréal, the Province of Québec (FCAR), and the Natural Sciences and Engineering Research Council of Canada. It is affiliated with the Institut des Sciences Mathématiques (ISM) of Montréal, whose constituent members are Concordia University, McGill University, the Université de Montréal, the Université du Québec à Montréal, and the Ecole Polytechnique. The CRM may be reached on the Web at www.crm.umontreal.ca.



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Contents

Preface	vii
Analysis of Some Macroscopic Models of High- T_c Superconductivity <i>Stan Alama and Lia Bronsard</i>	1
The Effect of Distribution In Space In Ostwald Ripening <i>Nicholas D. Alikakos and Giorgio Fusco</i>	17
Mathematical Problems in the Control of Underactuated Systems <i>David Auckly and Lev Kapitanski</i>	29
Axially and Helically Symmetric Global Plasma Equilibria <i>Oleg I. Bogoyavlenskij</i>	41
On the Complete Ionization of a Periodically Perturbed Quantum System <i>O. Costin, J. L. Lebowitz, and A. Rokhlenko</i>	51
The sine-Gordon Model at $\beta = 4\pi$ <i>J. Dimock</i>	63
Ground States of Supersymmetric Matrix Models <i>G. M. Graf</i>	69
Some Mathematical Problems in the Ginzburg–Landau Theory of Superconductivity <i>Stephen J. Gustafson</i>	77
Renormalization in Radiation Reaction: New Developments in Classical Electron Theory <i>Michael K.-H. Kiessling</i>	87
Singular Limit of the Modified Nonlinear Schrödinger Equation <i>Chi-Kun Lin</i>	97
Dynamics of Quantum Resonances <i>Marco Merkli</i>	111
Nelson Diffusions and Blow-Up Phenomena in Solutions of the Nonlinear Schrödinger Equation With Critical Power <i>Hayato Nawa</i>	117
Embedded Solitons of the DSII Equation <i>Dmitri E. Pelinovsky and Catherine Sulem</i>	135

On the Blow up Phenomenon for the Critical Nonlinear Schrödinger Equation in 1D <i>Galina Perelman</i>	147
Vorticity for the Ginzburg–Landau Model of Superconductors in a Magnetic Field <i>Sylvia Serfaty</i>	165
Dissipation through Dispersion <i>A. Soffer</i>	175
Quantum Tunneling at Positive Temperature <i>B. Vasilijevic</i>	185

Preface

This volume contains the lectures delivered at the workshop ‘Nonlinear Dynamics and Renormalization Group’ that was held at the Centre de recherches mathématiques in Montréal in August 1999. This workshop was part of year program at the CRM devoted to Mathematical Physics. It brought together a prominent group of researchers working on Nonlinear Partial Differential Equations and on Renormalization Group Methods in the hope of developing exchanges of information, ideas and problems between both fields.

We wish to take this opportunity to express our thanks to the lecturers for their stimulating presentations and to all the participants who contributed to the success of the meeting.

We are grateful to the CRM for their financial and administrative support, and for the publication of these proceedings. Our special thanks go to Yvan Saint-Aubin for giving us help and guidance in organizing the event, to the staff of the CRM and in particular to Louis Pelletier for providing us with an incredibly efficient infrastructure.

I. M. Sigal

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