

Real and Complex Dynamical Systems

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Real and Complex Dynamical Systems

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Springer-Science+Business Media, B.V.

Proceedings of the NATO Advanced Study Institute on
Real and Complex Dynamical Systems
Hillerød, Denmark
June 20–July 2, 1993

A C.I.P. Catalogue record for this book is available from the Library of Congress

ISBN 978-90-481-4565-2 ISBN 978-94-015-8439-5 (eBook)
DOI 10.1007/978-94-015-8439-5

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© 1995 Springer Science+Business Media Dordrecht
Originally published by Kluwer Academic Publishers in 1995
Softcover reprint of the hardcover 1st edition 1995

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PREFACE

This volume contains edited versions of 11 contributions given by main speakers at the NATO Advanced Study Institute on Real and Complex Dynamical Systems in Hillerød, Denmark, June 20th - July 2nd, 1993.

The vision of the institute was to illustrate the interplay between two important fields of Mathematics: Real Dynamical Systems and Complex Dynamical Systems. The interaction between these two fields has been growing over the years. Problems in Real Dynamical Systems have recently been solved using complex tools in the real or by extension to the complex. In return, problems in Complex Dynamical Systems have been settled using results from Real Dynamical Systems. The programme of the institute was to examine the state of the art of central parts of both Real and Complex Dynamical Systems, to reinforce contact between the two aspects of the theory and to make recent progress in each accessible to a larger group of mathematicians.

We wish to express our sincere thanks to all lecturers and participants for having helped to make this ASI a success. We acknowledge the extensive amount of time the invited main speakers had to spend to prepare the expository lectures, and to prepare their manuscripts for publication. Special thanks go to Adrien Douady, Sebastian van Strien and Lai-Sang Young for their efforts as members of the Scientific Organizing Committee; moreover, to the conference secretaries Lone Aagesen and Tove Densted for their competent management of all matters great & small during the conference; to the very professional staff at the Apotekerforeningens Kursusejendom (where the Institute was held); and to two local participants, Pia Willumsen and Dan Sørensen for assistance above and beyond the call of mere participation. We would also like to thank Jacob Dylander and acknowledge his patient and careful work of formatting and assembling the manuscripts of this book.

The ASI was funded principally by NATO, with additional support from MIDIT (Modelling, Non-linear Dynamics and Irreversible Thermodynamics) at The Technical University of Denmark, the Danish Natural Science Research Council, the Carlsberg Foundation, the Thomas B. Thrige Foundation, the Otto B. Mønsted Foundation, the Mathematical Institute at The Technical University of Denmark and the Danish Mathematical Society. We would like to thank all these organizations for their support. For its efforts on behalf of this ASI we are most grateful to the Scientific Affairs Division of NATO, particularly to Dr. Luis V. da Cunha, the Director of the ASI programme.

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