

Introduction

This volume contains proceedings of the International Conference: Operator Theory, Analysis and Mathematical Physics – OTAMP 2010, held at the Mathematical Research and Conference Center in Bedlewo, Poland, in August. The Conference was the fifth one from the OTAMP series.

The current volume contains original results concerning among others the following domains: spectral properties of Jacobi and CMV matrices, inverse scattering for non-classical Schrödinger operators, Ginzburg-Landau theory for one-dimensional systems with contact interactions, commutator bounds and local approximation of observables, spectral minimal partitions for special domains with Neumann condition, eigenfunction expansions of the one-dimensional Schrödinger operator, ergodic theory and Krein theory of entire operators. The papers of the volume contain original material and were refereed by qualified experts in the field. The Editors thank all the referees who helped to improve several contributions.

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This volume is dedicated to the memory of Israel Gohberg an outstanding mathematician of the XX-th century Operator Theory. He supported OTAMP conferences from the beginning in particular by including all proceedings into the series Operator Theory: Advances and Applications.

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