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Nota di contenuto	Foreword; CONTENTS; Existence of the Fock Representation for Current Algebras of the Galilei Algebra L. Accardi, A. Boukas and J. Misiewicz; Modular Structures and Landau Levels F. Bagarello; Stochastic Schrodinger Equations and Memory A. Barchielli, P. Di Tella, C. Pellegrini and F. Petruccione; On Spectral Approach to Pascal White Noise Functionals A. Barhoumi, H. Ouerdiane and A. Riahi; Quantum White Noise Analysis and Quantum Stochastic Equations V. P. Belavkin, J. Heo and U.-C. Ji; Spectral Analysis for Twisted Waveguides P. Briet The Decoherence-free Sub algebra of a Quantum Markov Semigroup on $8(h)$ A. Dhahri, F. Fagnola and R. RebolledoA Sufficient Condition for all Invariant States of a QMS to be Diagonal J. C. Garcia, R. Quezada and L. Pantaleon-Martinez; State Estimation Methods Using Indirect Measurements K. M. Hantos and L. Ruppert; On the Classification of Invariant State of Generic Quantum Markov Semigroups: The Gaussian Gauge Invariant Case S. Hachicha; Independence Generalizing Monotone and Boolean Independences T. Hasebe; Roles of White Noise in Stochastic Analysis and Some of Future Directions T. Hida

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Sommario/riassunto

This volume contains current work at the frontiers of research in quantum probability, infinite dimensional stochastic analysis, quantum information and statistics. It presents a carefully chosen collection of articles by experts to highlight the latest developments in those fields. Included in this volume are expository papers which will help increase communication between researchers working in these areas. The tools and techniques presented here will be of great value to research mathematicians, graduate students and applied mathematicians.
