

1. Record Nr.	UNINA9910451283603321
Titolo	Quantum probability and infinite dimensional analysis [[electronic resource] ] : from foundations to applications // editors, Michael Schurmann, Uwe Franz
Pubbl/distr/stampa	Singapore ; ; Hackensack, NJ, : World Scientific, c2005
ISBN	1-281-89819-8 9786611898199 981-270-210-5
Descrizione fisica	1 online resource (547 p.)
Collana	QP-PQ: quantum probability and white noise analysis ; ; v. XVIII
Altri autori (Persone)	SchurmannMichael <1955-> FranzUwe
Disciplina	530.12
Soggetti	Probabilities Quantum theory Dimensional analysis Probabilites Theorie quantique Analyse dimensionnelle Electronic books.
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	"Krupp-Kolleg Greifswald, Germany, 22-28 June 2003." Papers collected from a school, three workshops and an international conference.
Nota di bibliografia	Includes bibliographical references.
Nota di contenuto	Introduction; CONTENTS; Probability Measures in Terms of Creation, Annihilation, and Neutral Operators Luigi Accardi, Hui-Hsiung Kuo and Aurel Stan; Semi Groupes Associes a l'operateur de Laplace-Levy Luigi Accardi and Habib Ouerdiane; Stochastic Golden Rule for a System Interacting with a Fermi Field Luigi Accardi, R.A. Roschin and I.V. Volovich; Generating Function Method for Orthogonal Polynomials and Jacobi-Szego Parameters Nobuhiro Asai, Izumi Kubo and Hui-Hsiung Kuo; Low Temperature Superconductivity and the Stochastic Limit Fabio Bagarello Multiquantum Markov Semigroups, Interacting Branching Processes and Nonlinear Kinetic Equations. Finite Dimensional CaseV.P. Belavkin and

C.R. Williams A Note on Vacuum-Adapted Semimartingales and Monotone Independence Alexander C. R. Belton; Quantum Stochastic Processes and Applications Mohamed Ben Chrouda, Mohamed El Oued and Habib Ouerdiane; Regular Quantum Stochastic Cocycles have Exponential Product Systems B.V. Rajarama Bhat and J. Martin Lindsay; Evolution of the Atom-Field System in Interacting Fock Space P. K. Das Quantum Mechanics on the Circle through Hopf  $q$ -Deformations of the Kinematical Algebra with Possible Applications to LQvy Processes V.K. Dobrev, H.-D. Doebner and R. Twarock On Algebraic and Quantum Random Walks Demosthenes Ellinas; Dual Representations for the Schrodinger Algebra Philip Feinsilver and Rent! Schott; Harmonic Analysis on Non- Amenable Coxeter Groups Gero Fendler; A Limit Theorem for Conditionally Independent Beam Splittings K.H. Fichtner, Volkmar Liebscher and Masanori Ohya On Factors Associated with Quantum Markov States Corresponding to Nearest Neighbor Models on a Cayley Tree Francesco Fidaleo and Farruh Mukhamedov On Quantum Logical Gates on a General Fock Space Wolfgang Freudenberg, Masanori Ohya and Noburo Watanabe; The Chaotic Chameleon Richard D. Gill; On an Argument of David Deutsch Richard D. Gill; Volterra Representations of Gaussian Processes with an Infinite-Dimensional Orthogonal Complement Yuji Hibino and Hiroshi Muraoka; The Method of Double Product Integrals in Quantisation of Lie Bialgebras Robin L. Hudson On Noncommutative Independence Romuald Lenczewski LQvy Processes and Jacobi Fields Eugene Lytvynov;  $l_c$ -Decomposability of Positive Maps Wladystaw A. Majewski and Marcin Marciniak; An Introduction to LBvy Processes in Lie Groups Ming Liao; Duality of  $W^*$ -Correspondences and Applications Paul S. Muhly and Baruch Solel; Extendability of Generalized Quantum Markov States Hiromichi Ohno; White Noise Approach to the Low Density Limit Alexander N. Pechen; Asymptotics of Large Truncated Haar Unitary Matrices Jililia Riffy Quantum Optical Scenarios for Stochastic Resonance Vyacheslav Shatokhin, Thomas Wellens and Andreas Buchleitner

---

Sommario/riassunto

This volume collects research papers in quantum probability and related fields and reflects the recent developments in quantum probability ranging from the foundations to its applications.

---