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Nota di bibliografia	Includes bibliographical references.
Nota di contenuto	""Contents""; ""Preface""; ""Four lectures on noncommutative dynamics""; ""1. Dynamical origins: Histories and interactions""; ""2. Generators of dynamics and dilation theory""; ""3. The role of product systems""; ""4. Spectrum of an E0-semigroup""; ""References""; ""Construction of E0-semigroups of B(h) from CP-flows""; ""Atomic dilations""; ""Strong solutions to the Dirichlet problem for differential forms: A quantum dynamical semigroup approach""; ""Modular invariants and their fusion rules""; ""A decomposition of E0-semigroups""; ""A duality between extension and dilation"" ""On the structure of spectral algebras and their generalizations"" ""Outer actions of a countable discrete amenable group on an AFD factor""; ""A construction of C* -algebras from C* -correspondences""; ""Classification of operator algebraic conformal field theories""; ""Rohlin property for flows""; ""Survey on a quantum stochastic extension of Stone's theorem""; ""Quantized convolution semigroups""; ""A model for quantum Markov semigroups""; ""A predual characterization of semi-

finite von Neumann algebras"; "Pure states on  $C^*$ -algebras"  
"Commutants of von Neumann modules, representations of  $Ba(E)$  and other topics related to product systems of Hilbert modules"  
"Non-commutative Brownian motions"; "Non-isomorphic product systems";  
"Introduction"; "1. Basic notions"; "2. Some invariants"; "3. Continuous products of measure classes"; "4. Continuous products of probability spaces"; "5. Random sets, and type I  $IO$ "; "6. Constructing random sets"; "7. Time reversal"; "8. FHS space: Logarithm of a Hilbert space"; "9. Continuous sums and off-white noises"; "10. Type III"  
"11. The invariant via the logarithm"; "12. Ensuring asymptotic orthogonality"; "13. Calculating the invariant"; "References";  
"Index"

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