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Nota di contenuto	to Dynamical Systems -- Number Theoretic Background -- Mathematical Aspects of Quantum Maps -- Numerical Aspects of Eigenvalue and Eigenfunction Computations for Chaotic Quantum Systems -- From Normal to Anomalous Deterministic Diffusion.
Sommario/riassunto	Quantum maps are presented with special emphasis on their physical origin. They represent a testing ground for understanding concepts in quantized chaotic systems. The book develops and teaches the modern mathematical methods from analytic and algebraic number theory as applied to quantum maps. It gives a broad and in-depth overview of the mathematical problems arising in this area. Also treated are the

numerical aspects in quantum chaos such as eigenvalue and eigenfunctions computations for chaotic quantum systems. The book addresses scientists and advanced students in mathematics and mathematical physics.

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