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PROPERTIES OF PERMANENT AND TRANSIENT CHAOS IN CRITICAL STATES FROM COUPLED DYNAMICAL SYSTEMS TO BIOLOGICAL IRREVERSIBILITY; PART TWO TRANSPORT AND DIFFUSION; IRREVERSIBILITY IN REVERSIBLE MULTIBAKER MAPS-TRANSPORT AND FRACTAL DISTRIBUTIONS; DIFFUSION AND THE POINCARÉ-BIRKHOFF MAPPING OF CHAOTIC SYSTEMS; TRANSPORT THEORY FOR COLLECTIVE MODES AND GREEN-KUBO FORMALISM FOR MODERATELY DENSE GASES; NEW KINETIC LAWS OF CLUSTER FORMATION IN N-BODY HAMILTONIAN SYSTEMS; PART THREE QUANTUM THEORY, MEASUREMENT, AND DECOHERENCE; QUANTUM PHENOMENA OF SINGLE ATOMS
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POSSIBLE ORIGINS OF QUANTUM FLUCTUATION GIVEN BY ALTERNATIVE QUANTIZATION RULES
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Sommario/riassunto

Leading research, perspectives, and analysis of dynamical systems and irreversibility Edited by Nobel Prize winner Ilya Prigogine and renowned authority Stuart A. Rice, the Advances in Chemical Physics series provides a forum for critical, authoritative evaluations in every area of the discipline. In a format that encourages the expression of individual points of view, experts in the field present comprehensive analyses of subjects of interest. Volume 122 collects papers from the XXI Solvay Conference on Physics, dedicated to the exploration of "Dynamical Systems and Irreversibility." Ioan
