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Altri autori (Persone)	SkiadasChristos H DimotikalisIoannis SkiadasCharilaos
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Nota di contenuto	Preface; International Advisory Committee; Plenary and Keynote Talks; CONTENTS; The Effects of Machine Components on Bifurcation and Chaos as Applied to Multimachine System M. M. Alomari and B. S. Rodanski; Measurement and Simulation of Random Matrix Statistics in Aluminum Mesoscopic Cavities O. Antoniuk and R. Sprik; On a Novel Dry Friction Modeling: Differential Equations Computation and Lyapunov Exponent Estimation J. Awrejcewicz et al.; Magic Angle Chaotic Precession B. Binder; Chaotic Phenomena at Czech Capital Market D. Blatna and J. Tresl Stability Study for Quark Systems using a Semi-Classical Billiard Model C. C. Bordeianu et al. Cross-Frontal Chaotic Transport in Oceanic Jet Currents M. V. Budyansky et al.; A Novel Monolithic Integrated Optical Chaos Emitter: Experiment, Data Analysis and Numerical Predictions K. E. Chlouverakis et al.; Self-Similarity/Memory-Length Parameter Estimation for Non-Gaussian Hermite Processes via Chaos Expansion A.

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Disagreement between Newtonian and Relativistic Trajectories for a Low-Speed Kicked Dissipative System B. L. Lan; Visualisation of Atmospheric Pressure Plasma Electrical Parameters V. J. Law et al.;

Chaos and Multifractals in the Solar System Plasma W. M. Macek; On the Hyperchaotic Complex Lu System G. M. Mahmoud et al. Chaotic Signal Analysis of Parkinson's Disease STN Brain Signals P. A. Meehan and P. A. Bellette

Sommario/riassunto

This volume includes the best papers presented at the CHAOS 2008 International Conference on Chaotic Modeling, Simulation and Applications. It provides a valuable collection of new ideas, methods, and techniques in the field of nonlinear dynamics, chaos, fractals and their applications in general science and in engineering sciences. It touches on many fields such as chaos, dynamical systems, nonlinear systems, fractals and chaotic attractors. It also covers mechanics, hydrofluid dynamics, chaos in meteorology and cosmology, Hamiltonian and quantum chaos, chaos in biology and genetics, chaotic
