

Future Contributions to *Journal of Statistical Physics*

This special issue contains papers dealing with Quantum Chaos

ARTICLES

Preface

Joel L. Lebowitz and Peter J. Reynolds

Program

The Van Vleck Formula, Maslov Theory, and Phase Space Geometry

Robert G. Littlejohn

Closed Orbits and Semiclassical Wavefunctions in Two-Dimensional
Hamiltonian Systems

J.-M. Mao, J. Shaw, and J. B. Delos

Semiclassical Wavefunctions of Nonintegrable Systems and Localization on
Periodic Orbits

D. C. Meredith

Accuracy of Semiclassical Dynamics in the Presence of Chaos

Patrick W. O'Connor, Steven Tomsovic, and Eric J. Heller

The Semiclassical Limit of a Quantum Fermi Accelerator

Gang Chu and Jorge V. José

Renormalization Group Study of Quantum Fluctuations near Classical
Critical Points of Hamiltonian Systems

Géza Györgyi, Robert Graham, and R. E. Prange

Capture by Stabilized Continuum: Classical and Quantum Aspects

Zi-Min Lu, Michel Vallières, and Jian-Min Yuan

Quantum Qualitative Dynamics

Craig C. Martens

Microwave Experiments on Chaotic Billiards

S. Sridhar, D. Hogenboom, and Balam A. Willemsen

Quantum Chaos, Classical Randomness, and Bohmian Mechanics

Detlef Dürr, Sheldon Goldstein, and Nino Zanghì

Floquet Spectrum for Two-Level Systems in Quasiperiodic Time-Dependent
Fields

P. M. Blekher, H. R. Jauslin, and J. L. Lebowitz

Quantum Chaos

R. Blümel and J. B. Mehl

Chaos and Quantum Irreversibility

Roberto Roncaglia, Luca Bonci, Paolo Grigolini, and Bruce J. West