

PHYSICAL REVIEW E

For editorial and subscription correspondence,
please see inside front cover
(ISSN: 1063-651X)

PERIODICALS

Postmaster send address changes to:
American Institute of Physics
Suite 1NO1
2 Huntington Quadrangle
Melville, NY 11747-4502

THIRD SERIES, VOLUME 61, NUMBER 5
PARTS A AND B

CONTENTS

MAY 2000

*The Table of Contents is a total listing of Parts A and B.
Part A consists of pages R4675–5414, and Part B pages 5415–6044.*

PART A

Note to Reader i

RAPID COMMUNICATIONS

General methods of statistical physics

- Drift-controlled anomalous diffusion: A solvable Gaussian model R4675
Fabrizio Lillo and Rosario N. Mantegna
- Fluctuation theorems for entropy production in open systems R4679
Lamberto Rondoni, Tamás Tél, and Jürgen Vollmer
- Universality classes of driven lattice gases R4683
Pedro L. Garrido, Miguel A. Muñoz, and F. de los Santos
- Driven tunneling dynamics: Bloch-Redfield theory versus path-integral approach R4687
Ludwig Hartmann, Igor Goychuk, Milena Grifoni, and Peter Hänggi

Chaos and nonlinear dynamical systems

- Detection of fixed points in spatiotemporal signals by a clustering method R4691
A. Hutt, M. Svensén, F. Kruggel, and R. Friedrich
- Experimental observation of localization in the spatial frequency domain of a kicked optical system R4694
Baruch Fischer, Amir Rosen, Alexander Bekker, and Shmuel Fishman

Classical fluids

- Effect of wall deformations on a confined fluid R4698
J. Chakrabarti
- Hysteresis at low Reynolds number: Onset of two-dimensional vortex shedding R4702
V. K. Horváth, J. R. Cressman, W. I. Goldburg, and X. L. Wu

Complex fluids, polymers, and granular materials

- Steric interaction of an incoming particle with grafted rods: Exact solutions and unusual force profiles R4706
I. C. B. Miller and D. R. M. Williams
- Genuine saddle point and nucleation potential for binary systems R4710
Jin-Song Li, Igor L. Maksimov, and Gerald Wilemski

Classical physics, including nonlinear media

- A one- and two-dimensional nonlinear pulse interaction R4714
A. Ciattoni, A. Degasperis, and E. DelRe

