

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 63, NUMBER 3
PARTS 1 AND 2

CONTENTS

MARCH 2001

The Table of Contents is a total listing of Parts 1 and 2.

PART 1

RAPID COMMUNICATIONS

Statistical physics of soft matter

- Nonlinear equation for anomalous diffusion: Unified power-law and stretched exponential exact solution
(4 pages) 030101(R)
L. C. Malacarne, R. S. Mendes, I. T. Pedron, and E. K. Lenzi
- Molecular motor based entirely on the Coulomb interaction (4 pages) 030102(R)
Markus Porto

Granular materials

- Dissipative Abelian sandpiles and random walks (4 pages) 030301(R)
C. Vanderzande and F. Daerden

Structured and complex fluids

- Undulations in a confined lamellar system with surface anchoring (4 pages) 030501(R)
T. Ishikawa and O. D. Lavrentovich
- Averaging rheological quantities in descriptions of soft glassy materials (3 pages) 030502(R)
François Lequeux and Armand Ajdari

Biological physics

- Social games in a social network (4 pages) 030901(R)
Guillermo Abramson and Marcelo Kuperman
- Anomalous swelling in phospholipid bilayers is not coupled to the formation of a ripple phase (4 pages) 030902(R)
P. C. Mason, J. F. Nagle, R. M. Eand, and J. Katsaras

REGULAR ARTICLES

Statistical physics of soft matter

- Icosahedron-fcc transition size by molecular dynamics simulation of Lennard-Jones clusters at a finite
temperature (8 pages) 031101
Tamio Ikeshoji, Gérard Torchet, Marie-Françoise de Feraudy, and Kenji Koga
- Weighted density functional theory for simple fluids: Supercritical adsorption of a Lennard-Jones fluid in an
ideal slit pore (9 pages) 031102
M. B. Sweatman

