PHYSICAL REVIEW E

For editorial and subscription correspondence,
please see inside front cover
(ISSN: 1539-3755)

PERIODICALS
Postmaster send address changes to:
APS Subscription Services
Suite 1NO1
2 Huntington Quadrangle
Melville, NY 11747-4502

THIRD SERIES, VOLUME 82, NUMBER 5 *CONTENTS* NOVEMBER 2010

PART 2: NONLINEAR AND PLASMA PHYSICS, FLUID DYNAMICS, AND RELATED TOPICS

RAPID COMMUNICATIONS

Interdisciplinary physics

Anomalous physical transport in complex networks *(4 pages)* . . . . . 055101(R)
Christos Nicolaides, Luis Cueto-Felgueroso, and Ruben Juanes

Kertész line of thermally activated breakdown phenomena *(4 pages)* . . . . . 055102(R)
Naoki Yoshioka, Ferenc Kun, and Nobuyasu Ito

Statistical physics of the yielding transition in amorphous solids *(4 pages)* . . . . . 055103(R)
Smarajit Karmakar, Edan Lerner, and Itamar Procaccia

Chaos and pattern formation

Statistics of resonance states in a weakly open chaotic cavity with continuously distributed losses *(4 pages)* . . . . . 055201(R)
Charles Poli, Olivier Legrand, and Fabrice Mortessagne

Poincaré recurrences in Hamiltonian systems with a few degrees of freedom *(4 pages)* . . . . . 055202(R)
D. L. Shepelyansky

Fluid dynamics

Transverse flow in thin superhydrophobic channels *(4 pages)* . . . . . 055301(R)
François Feuillebois, Martin Z. Bazant, and Olga I. Vinogradova

Computational physics

Activity spread and breathers induced by finite transmission speeds in two-dimensional neural fields *(4 pages)* . . . . . 055701(R)
Axel Hutt and Nicolas Rougier

ARTICLES

Interdisciplinary physics

Resilience and rewiring of the passenger airline networks in the United States *(10 pages)* 056101
Daniel R. Wuellner, Soumen Roy, and Raissa M. D'Souza

Copyright 2010 by The American Physical Society

(Continued)

1539-3755(201011)82:5:2;1-5