

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 78, NUMBER 6

CONTENTS

DECEMBER 2008

PART 1: STATISTICAL, SOFT MATTER, AND BIOLOGICAL PHYSICS

RAPID COMMUNICATIONS

Statistical physics

- Normal diffusion in crystal structures and higher-dimensional billiard models with gaps (*4 pages*) 060101(R)
David P. Sanders
- Continuous-time random walks with internal dynamics and subdiffusive reaction-diffusion equations
(*4 pages*) 060102(R)
S. Eule, R. Friedrich, F. Jenko, and I. M. Sokolov
- Noise-driven unlimited population growth (*4 pages*) 060103(R)
Baruch Meerson and Pavel V. Sasorov
- Coherence versus reliability of stochastic oscillators with delayed feedback (*4 pages*) 060104(R)
Denis S. Goldobin
- Growth of spatial correlations in the aging of a simple structural glass (*4 pages*) 060105(R)
Azita Parsaeian and Horacio E. Castillo

Colloidal dispersions, suspensions, and aggregates

- Nonmonotonic density dependence of the diffusion of DNA fragments in low-salt suspensions (*4 pages*) 060401(R)
Mathieu G. McPhie and Gerhard Nägele

Films, interfaces, and crystal growth

- Understanding capillary condensation and hysteresis in porous silicon: Network effects within independent
pores (*4 pages*) 060601(R)
Sergej Naumov, Alexey Khokhlov, Rustem Valiullin, Jörg Kärger, and Peter A. Monson
- Scaling of solvation force in two-dimensional Ising strips (*4 pages*) 060602(R)
Piotr Nowakowski and Marek Napiórkowski
- Theory of dendritic growth in the presence of lattice strain (*4 pages*) 060603(R)
D. Pilipenko, E. A. Brener, and C. Hüter



Copyright 2008 by The American Physical Society

(Continued)



1539-3755(200812)78:6;1-D