

CONTENTS - *Continued*

PHYSICAL REVIEW E

THIRD SERIES, VOLUME 78, NUMBER 5

NOVEMBER 2008

Erratum: Entropy production in irreversible processes with friction [Phys. Rev. E 78 , 021137 (2008)] (1 page)	059903(E)
João P. S. Bizarro	
Publisher's Note: Kinetics of self-induced aggregation of Brownian particles: Non-Markovian and non-Gaussian features [Phys. Rev. E 78 , 051103 (2008)] (1 page)	059904(E)
Pulak Kumar Ghosh, Monoj Kumar Sen, and Bidhan Chandra Bag	

CONTENTS - *Continued*

PHYSICAL REVIEW E

THIRD SERIES, VOLUME 78, NUMBER 5

NOVEMBER 2008

Separation of variables in molecular-dynamics simulations: A criterion to estimate the quality of the approximation (<i>11 pages</i>)	056703
Adolfo B. Poma and Luigi Delle Site	
Computer simulations of isolated conductors in electrostatic equilibrium (<i>15 pages</i>)	056704
Herng-Hua Chang	
Exact ground states of large two-dimensional planar Ising spin glasses (<i>10 pages</i>)	056705
G. Pardella and F. Liers	
Revised moment propagation method for scalar transport (<i>7 pages</i>)	056706
D. Yu, S. S. Girimaji, and A. J. C. Ladd	
Directed update for the stochastic Green function algorithm (<i>10 pages</i>)	056707
V. G. Rousseau	
Monte Carlo simulation and linear stability analysis of Turing pattern formation in reaction-subdiffusion systems (<i>9 pages</i>)	056708
J. W. Chiu and K.-H. Chiam	
Contact line dynamics in binary lattice Boltzmann simulations (<i>9 pages</i>)	056709
C. M. Pooley, H. Kusumaatmaja, and J. M. Yeomans	

BRIEF REPORTS

Chaos and pattern formation

Normal-form approach to spatiotemporal pattern formation in globally coupled electrochemical systems (<i>4 pages</i>)	057201
Vladimir García-Morales and Katharina Krischer	
Tristability in the pendula chain (<i>4 pages</i>)	057202
Ramaz Khomeriki and Jérôme Leon	

Fluid dynamics

Suppression of reverse flows in pumping by induced-charge electro-osmosis using asymmetrically stacked elliptical metal posts (<i>4 pages</i>)	057301
Hideyuki Sugioka	

Plasma physics

All-optical suppression of relativistic self-focusing of laser beams in plasmas (<i>4 pages</i>)	057401
S. Yu. Kalmykov, S. Austin Yi, and G. Shvets	

ERRATA

Erratum: Long-range correlations in the electric signals that precede rupture: Further investigations [Phys. Rev. E 67 , 021109 (2003)] (<i>1 page</i>)	059901(E)
P. A. Varotsos, N. V. Sarlis, and E. S. Skordas	
Erratum: Long-range correlations in the electric signals that precede rupture [Phys. Rev. E 66 , 011902 (2002)] (<i>1 page</i>)	059902(E)
P. A. Varotsos, N. V. Sarlis, and E. S. Skordas	

(Continued)

CONTENTS - Continued

PHYSICAL REVIEW E

THIRD SERIES, VOLUME 78, NUMBER 5

NOVEMBER 2008

Discreteness and resolution effects in rapidly rotating turbulence (<i>12 pages</i>)	056309
Lydia Bourouiba	
Three-dimensional elastohydrodynamics of a thin plate oscillating above a wall (<i>17 pages</i>)	056310
R. J. Clarke, O. E. Jensen, and J. Billingham	
Plasma physics	
Richtmyer-Meshkov instability in elastic-plastic media (<i>10 pages</i>)	056401
A. R. Piriz, J. J. López Cela, N. A. Tahir, and D. H. H. Hoffmann	
Interaction of electromagnetic waves with caustics in plasma flows (<i>13 pages</i>)	056402
A. V. Panchenko, T. Zh. Esirkepov, A. S. Pirozhkov, M. Kando, F. F. Kamenets, and S. V. Bulanov	
Generation of intense proton beams from plastic targets irradiated by an ultraintense laser pulse (<i>4 pages</i>)	056403
K. Lee, S. H. Park, Y.-H. Cha, J. Y. Lee, Y. W. Lee, K.-H. Yea, and Y. U. Jeong	
Feasibility of a nitrogen-recombination soft-x-ray laser using capillary discharge Z pinch (<i>8 pages</i>)	056404
N. S. Kampel, A. Rikanati, I. Be'ery, A. Ben-Kish, A. Fisher, and A. Ron	
Low ion-velocity slowing down in a strongly magnetized plasma target (<i>7 pages</i>)	056405
Claude Deutsch and Romain Popoff	
Homogeneous nucleation in thermal dust-electron plasmas (<i>5 pages</i>)	056406
V. I. Vishnyakov	
Phase-space structures in quantum-plasma wave turbulence (<i>7 pages</i>)	056407
F. Haas, B. Eliasson, P. K. Shukla, and G. Manfredi	
Classical physics	
Collisions between counter-rotating solitary vortices in the three-dimensional Ginzburg-Landau equation (<i>6 pages</i>)	056601
D. Mihalache, D. Mazilu, F. Lederer, H. Leblond, and B. A. Malomed	
Spatiotemporal dissipative solitons in two-dimensional photonic lattices (<i>9 pages</i>)	056602
Dumitru Mihalache, Dumitru Mazilu, Falk Lederer, and Yuri S. Kivshar	
Bistability of a two-dimensional Klein-Gordon system as a reliable means to transmit monochromatic waves: A numerical approach (<i>9 pages</i>)	056603
Jorge Eduardo Macías-Díaz	
Physical consequences of action conservation laws and their applications (<i>11 pages</i>)	056604
B. D. Vujanović, B. S. Bačlić, and A. M. Strauss	
Computational physics	
Acceleration of steady-state lattice Boltzmann simulations for exterior flows (<i>9 pages</i>)	056701
Bo Liu and Arzhang Khalili	
Accuracy of the lattice-Boltzmann method using the Cell processor (<i>6 pages</i>)	056702
M. J. Harvey, G. De Fabritiis, and G. Giupponi	

(Continued)

CONTENTS - *Continued*

PHYSICAL REVIEW E

THIRD SERIES, VOLUME 78, NUMBER 5

NOVEMBER 2008

Bifurcation analysis of solitary and synchronized pulses and formation of reentrant waves in laterally coupled excitable fibers (<i>11 pages</i>)	056208
Tatsuo Yanagita, Hiromichi Suetani, and Kazuyuki Aihara	
Fractional dynamics in the Lévy quantum kicked rotor (<i>5 pages</i>)	056209
A. Romanelli	
Method to control the coupling function using multilinear feedback (<i>9 pages</i>)	056210
T. Kano and S. Kinoshita	
Adaptive scheme for synchronization-based multiparameter estimation from a single chaotic time series and its applications (<i>5 pages</i>)	056211
Dibakar Ghosh and Santo Banerjee	
Moving boundary approximation for curved streamer ionization fronts: Solvability analysis (<i>21 pages</i>)	056212
Fabian Brau, Benny Davidovitch, and Ute Ebert	
Stabilizing continuous-wave output in semiconductor lasers by time-delayed feedback (<i>11 pages</i>)	056213
Thomas Dahms, Philipp Hövel, and Eckehard Schöll	
Periodic-orbit analysis and scaling laws of intermingled basins of attraction in an ecological dynamical system (<i>10 pages</i>)	056214
R. F. Pereira, S. Camargo, S. E. de S. Pinto, S. R. Lopes, and R. L. Viana	
Quantum mechanical potentials related to the prime numbers and Riemann zeros (<i>7 pages</i>)	056215
Dániel Schumayer, Brandon P. van Zyl, and David A. W. Hutchinson	
Amplitude death in time-delay nonlinear oscillators coupled by diffusive connections (<i>9 pages</i>)	056216
Keiji Konishi, Katsuhisa Senda, and Hideki Kokame	
Fluid dynamics	
Noise influence on pole solutions of the Sivashinsky equation for planar and outward propagating flames (<i>7 pages</i>)	056301
R. V. Fursenko, K. L. Pan, and S. S. Minaev	
Flow properties of immiscible blends: Doi-Ohta model with active advection (<i>17 pages</i>)	056302
Jian Feng Gu and Miroslav Grmela	
Linear and nonlinear instabilities in rotating cylindrical Rayleigh-Bénard convection (<i>12 pages</i>)	056303
Ligang Li, Xinhao Liao, Kit H. Chan, and Keke Zhang	
Solvability condition for the moving contact line (<i>6 pages</i>)	056304
L. M. Pismen and Jens Eggers	
Non-Newtonian flow of dilute ferrofluids in a uniform magnetic field (<i>8 pages</i>)	056305
Huei Chu Weng, Chieh-Li Chen, and Cha'o-Kuang Chen	
Impact of conditions at start-up on thermovibrational convective flow (<i>10 pages</i>)	056306
D. E. Melnikov, V. M. Shevtsova, and J. C. Legros	
Fronts in randomly advected and heterogeneous media and nonuniversality of Burgers turbulence: Theory and numerics (<i>18 pages</i>)	056307
Jackson R. Mayo and Alan R. Kerstein	
Formation of miscible fluid microstructures by hydrodynamic focusing in plane geometries (<i>8 pages</i>)	056308
Thomas Cubaud and Thomas G. Mason	

(Continued)