PHYSICAL REVIEW E **THIRD SERIES, VOLUME 107, NUMBER 6** **JUNE 2023**

ERRATA

Erratum: Vector formalism for active nematic liquid crystals in two dimensions
[Phys. Rev. E **106**, 034701 (2022)] *(1 page)* . . . . . 069901(E)
L. M. Pismen

Erratum: Counting of level crossings for inertial random processes: Generalization of the Rice formula
[Phys. Rev. E **107**, 024111 (2023)] *(1 page)* . . . . . 069902(E)
Jaume Masoliver and Matteo Palassini

This paper was highlighted in the APS publication *Physics* (physics.aps.org).

The editors and referees of PRE find these papers to be of particular interest, importance, or clarity. Please see our Announcement Phys. Rev. E 89, 010001 (2014).

PHYSICAL REVIEW E **THIRD SERIES, VOLUME 107, NUMBER 6** **JUNE 2023**

Suppression of bremsstrahlung losses from relativistic plasma with energy cutoff *(8 pages)* 065205
Vadim R. Munirov and Nathaniel J. Fisch

Cosmic rays and random magnetic traps *(19 pages)* 065206
Devika Tharakkal, Andrew P. Snodin, Graeme R. Sarson, and Anvar Shukurov

X-ray Thomson scattering spectra from density functional theory molecular dynamics simulations based on a modified Chihara formula *(14 pages)* 065207
Maximilian Schörner, Mandy Bethkenhagen, Tilo Döppner, Dominik Kraus, Luke B. Fletcher, Siegfried H. Glenzer, and Ronald Redmer

Ultra-high-pressure generation in the relativistic transparency regime in laser-irradiated nanowire arrays *(7 pages)* 065208
J. F. Ong, P. Ghenuche, I. C. Edmond Turcu, A. Pukhov, and K. A. Tanaka

Three-dimensional feedback processes in current-driven metal *(16 pages)* 065209
E. P. Yu, T. J. Awe, K. R. Cochrane, K. J. Peterson, K. C. Yates, T. M. Hutchinson, M. W. Hatch, B. S. Bauer, K. Tomlinson, and D. B. Sinars

Small-scale dynamo with finite correlation times *(17 pages)* 065210
Yann Carteret, Dominik Schleicher, and Jennifer Schober

Water-window x-ray emission from laser-produced Au plasma under optimal target thickness and focus conditions *(11 pages)* 065211
Jiahao Wang, Maki Kishimoto, Tomoyuki Jozaki, Tomohiro Kumeda, Takeshi Higashiguchi, Atsushi Sunahara, Hikari Ohiro, Kotaro Yamasaki, and Shinichi Namba

Computational Physics

Quantum targeted energy transfer through machine learning tools *(7 pages)* 065301
I. Andronis, G. Arapantonis, G. D. Barmparis, and G. P. Tsironis

Lattice sum for a hexagonal close-packed structure and its dependence on the c/a ratio of the hexagonal cell parameters *(22 pages)* 065302
Antony Burrows, Shaun Cooper, and Peter Schwerdtfeger

Snake net with a neural network for detecting multiple phases in the phase diagram *(12 pages)* 065303
Xiaodong Sun, Huijiong Yang, Nan Wu, T. C. Scott, Jie Zhang, and Wanzhou Zhang

Lattice Boltzmann model for predicting frosting process on surfaces considering wettability *(17 pages)* 065304
Shusheng Zhang, Taiping Jiang, Hai Huang, Lin-Jie Huang, and Li-Zhi Zhang

Lattice Boltzmann finite-difference-based model for fully nonlinear electrohydrodynamic deformation of a liquid droplet *(16 pages)* 065305
Himadri Sekhar Basu, Sasidhar Kondaraju, and Supreet Singh Bahga

Robust surface-correlation-function evaluation from experimental discrete digital images *(17 pages)* 065306
Aleksei Samarin, Vasily Postnicov, Marina V. Karsanina, Efim V. Lavrukhin, Dina Gafurova, Nikolay M. Evstigneev, Aleksey Khlyupin, and Kirill M. Gerke

(Continued)

This paper was highlighted in the APS publication *Physics* (physics.aps.org).

The editors and referees of PRE find these papers to be of particular interest, importance, or clarity. Please see our Announcement Phys. Rev. E 89, 010001 (2014).

PHYSICAL REVIEW E **THIRD SERIES, VOLUME 107, NUMBER 6** **JUNE 2023**

Elastic fingering in a rotating Hele-Shaw cell *(12 pages)* 065104
Benjamin Foster and Edgar Knobloch

Decoupling wing-shape effects of wing-swept angle and aspect ratio on a forward-flying butterfly *(20 pages)* 065105
Sheng-Kai Chang, You-Jun Lin, Kuan-Lun Hsu, and Jing-Tang Yang

Reversible Navier-Stokes equation on logarithmic lattices *(18 pages)* 065106
Guillaume Costa, Amaury Barral, and Bérengère Dubrulle

Heavy inertial particles in rotating turbulence: Distribution of particles in flow and evolution of Lagrangian trajectories *(9 pages)* 065107
Priyanka Maity

Control of interfacial instabilities through variable injection rate in a radial Hele-Shaw cell: A nonlinear approach for late-time analysis *(26 pages)* 065108
Sajjad Gholinezhad, Apostolos Kantzas, and Steven L. Bryant

Effect of variable solubility on reactive dissolution in partially miscible systems *(10 pages)* 065109
S. Kabbadj, L. Rongy, and A. De Wit

Nonlinear dynamics of upward propagating flames *(8 pages)* 065110
Mariam Battikh, Elias Al Sarraf, Basile Radisson, Christophe Almarcha, and Bruno Denet

State-and-rate friction in contact-line dynamics *(11 pages)* 065111
Chloe W. Lindeman and Sidney R. Nagel

Experimental study on the flow structures and dynamics of turbulent Rayleigh-Bénard convection in an annular cell *(12 pages)* 065112
Ji-Li Zheng and Yu-Lu Liu

Plasma Physics

Thresholdless stochastic particle heating by a single wave *(6 pages)* 065201
F. Sattin and D. F. Escande

Excitation gratings in cross-beam filament wake channels in a dense argon gas: Formation, control, and Rabi sideband manifestation *(10 pages)* 065202
Suyash Bajpai and Dmitri A. Romanov

Formation of multiple BGK-like structures in the time-asymptotic state of collisionless Vlasov-Poisson plasmas *(10 pages)* 065203
Hugo A. Carril, Jorge A. Gidi, Roberto E. Navarro, and Jaime A. Araneda

Investigation on the near-field cutoff effect in a subwavelength plasma shell with near-zero permittivity *(6 pages)* 065204
Peiqi Chen, Qiuyue Nie, Shu Lin, Liang Qian, Zhonglin Zhang, Xiaogang Wang, Zhuotao Meng, and Guoqiang Wei

(Continued)

This paper was highlighted in the APS publication *Physics* (physics.aps.org).

The editors and referees of PRE find these papers to be of particular interest, importance, or clarity. Please see our Announcement Phys. Rev. E 89, 010001 (2014).

PHYSICAL REVIEW E **THIRD SERIES, VOLUME 107, NUMBER 6** **JUNE 2023**

Hydrodynamic approximations for driven dense colloidal mixtures in narrow pores *(14 pages)* 064606
František Slanina and Miroslav Kotrla

Mathematical modeling for the synchronization of two interacting active rotors *(16 pages)* 064607
Hiroyuki Kitahata and Yuki Koyano

Elastic constants of zero-temperature amorphous solids *(8 pages)* 064608
Grzegorz Szamel

Liquid Crystals

Response to an applied electric field in an antiferroelectric 1/2 subphase:
The role of thermal fluctuations *(11 pages)* 064701
Koichiro Shirota, Atsuo Fukuda, Neelam Yadav, Vitaly P. Panov, Jagdish K. Vij,
Yutaka Yamagata, and Ken Ishikawa

What promotes smectic order: Applying mean-field theory to the ends *(11 pages)* 064702
David A. King and Randall D. Kamien

Thin pyramidal cones in nematic liquid crystals *(8 pages)* 064703
Seyed Reza Seyednejad, Saeedeh Shoarinejad, Mohammad Reza Mozaffari, and Faezeh Amini Joneghani

Granular Materials

Rheology of granular rafts *(7 pages)* 064901
J. Lalieu, A. Seguin, and G. Gauthier

Solid Mechanics

Dynamic behavior of elastic strips near shape transitions *(18 pages)* 065001
Basile Radisson and Eva Kanso

Motion of localized disturbances in scalar harmonic lattices *(12 pages)* 065002
Julia A. Baimova, Nikolay M. Bessonov, and Anton M. Krivtsov

Elasticity of spheres with buckled surfaces *(13 pages)* 065003
Yingzhen Tian, Megan McCarthy, Megan King, and S. G. J. Mochrie

Acoustic transparency of the chain-chain interface *(14 pages)* 065004
Vitaly A. Kuzkin

Dynamics of certain Euler-Bernoulli rods and rings from a minimal coupling quantum isomorphism *(7 pages)* . . . 065005
T. A. Engstrom

Fluid Dynamics

Impact of nanodroplets on cone-textured surfaces *(14 pages)* 065101
Hanyi Liu (刘涵毅), Jun Zhang (张俊), Jia Luo (罗佳), and Dongsheng Wen (文东升)

Learning to swim efficiently in a nonuniform flow field *(11 pages)* 065102
Krongtum Sankaewtong, John J. Molina, Matthew S. Turner, and Ryoichi Yamamoto

Acoustic radiation force on a spherical thermoviscous particle in a thermoviscous fluid including scattering
and microstreaming *(29 pages)* 065103
Bjørn G. Winckelmann and Henrik Bruus

(Continued)

This paper was highlighted in the APS publication *Physics* (physics.aps.org).

The editors and referees of PRE find these papers to be of particular interest, importance, or clarity. Please see our Announcement Phys. Rev. E 89, 010001 (2014).

PHYSICAL REVIEW E **THIRD SERIES, VOLUME 107, NUMBER 6** **JUNE 2023**

Matrix factorization with neural networks *(12 pages)* 064308
Francesco Camilli and Marc Mézard

Biological Physics

Mutual consistency of multiple visual feature maps constrains combined map topology *(12 pages)* 064401
X. Liu and P. A. Robinson

Fluctuation-induced dispersion forces on thin DNA films *(8 pages)* 064402
Lixin Ge, Xi Shi, Bingzhong Li, and Ke Gong

P Role of herbivory in shaping the dryland vegetation ecosystem: Linking spiral vegetation patterns and nonlinear, nonlocal grazing *(14 pages)* 064403
Mrinal Kanti Pal and Swarup Poria

Analyzing the effect of cell rearrangement on Delta-Notch pattern formation *(14 pages)* 064404
Toshiki Oguma, Hisako Takigawa-Imamura, Tomoyasu Shinoda, Shuntaro Ogura, Akiyoshi Uemura, Takaki Miyata, Philip K. Maini, and Takashi Miura

Periodic orbits in deterministic discrete-time evolutionary game dynamics: An information-theoretic perspective *(12 pages)* 064405
Sayak Bhattacharjee, Vikash Kumar Dubey, Archan Mukhopadhyay, and Sagar Chakraborty

Locality of contacts determines the subdiffusion exponents in polymeric models of chromatin *(8 pages)* 064406
Edoardo Marchi, Yinxiu Zhan, and Guido Tiana

Evidence for a short-lived resonance state in enzyme catalysis via rate-equation convolution *(14 pages)* 064407
Moira L. Steyn-Ross, D. A. Steyn-Ross, Erica J. Prentice, Emma J. Walker, and V. L. Arcus

Understanding the phase behavior of a protobiomembrane *(10 pages)* 064408
John F. Nagle

Polymers

Statistical field theory for nonlinear elasticity of polymer networks with excluded volume interactions *(13 pages)* 064501
Pratik Khandagale, Timothy Breitzman, Carmel Majidi, and Kaushik Dayal

Colloids, Complex Fluids, and Active Matter

Dynamics of a colloidal particle driven by continuous time-delayed feedback *(8 pages)* 064601
Miranda C. R. Bell-Davies, Arran Curran, Yanyan Liu, and Roel P. A. Dullens

Statistics of carrier-cargo complexes *(18 pages)* 064602
René Wittmann, Paul A. Monderkamp, and Hartmut Löwen

Studying turbulence in a fluid with background damping *(6 pages)* 064603
P. Bajaj, A. Ivlev, C. Räth, and M. Schwabe

Impact of the inner solute structure on the electrostatic mean-field and strong-coupling regimes of macromolecular interactions *(19 pages)* 064604
Sahin Buyukdagli

Fine-tuning of colloidal polymer crystals by molecular simulation *(10 pages)* 064605
Miguel Herranz, Clara Pedrosa, Daniel Martínez-Fernández, Katerina Foteinopoulou, Nikos Ch. Karayiannis, and Manuel Laso

(Continued)

P This paper was highlighted in the APS publication *Physics* (physics.aps.org).

The editors and referees of PRE find these papers to be of particular interest, importance, or clarity. Please see our Announcement Phys. Rev. E 89, 010001 (2014).

PHYSICAL REVIEW E **THIRD SERIES, VOLUME 107, NUMBER 6** **JUNE 2023**

Enhanced signal response in globally coupled networks of bistable oscillators: Effects of mean field density and signal shape *(8 pages)* 064208
Frank Thomas Ndjomatchoua, Carlos Lawrence Gninzanlong, Thierry Landry Michel Mbong Djomo, Maxime Fabrice Pebeu Kepnang, and Clément Tchawoua

Performance analysis of indicators of chaos for nonlinear dynamical systems *(19 pages)* 064209
A. Bazzani, M. Giovannozzi, C. E. Montanari, and G. Turchetti

Stationary broken parity states in active matter models *(28 pages)* 064210
Tobias Frohoff-Hülsmann, Max Philipp Holl, Edgar Knobloch, Svetlana V. Gurevich, and Uwe Thiele

Coexistence of stable and unstable population dynamics in a nonlinear non-Hermitian mechanical dimer *(14 pages)* 064211
Enrico Martello, Yaashnaa Singhal, Bryce Gadway, Tomoki Ozawa, and Hannah M. Price

Mode selectivity of dynamically induced conformation in many-body chainlike bead-spring models *(13 pages)* 064212
Yoshiyuki Y. Yamaguchi

Largest Lyapunov exponent as a tool for detecting relative changes in the particle positions *(9 pages)* 064213
Petar Mali, Slobodan Radošević, Sonja Gombar, Jasmina Tekić, Milan Pantić, and Milica Pavkov-Hrvojević

Collisions of localized patterns in a nonvariational Swift-Hohenberg equation *(17 pages)* 064214
Mathi Raja, Adrian van Kan, Benjamin Foster, and Edgar Knobloch

Fermi-Pasta-Ulam-Tsingou recurrence and cascading mechanism for resonant three-wave interactions *(14 pages)* 064215
H. M. Yin and K. W. Chow

PART B

Networks and Complex Systems

Social contagion induced by uncertain information *(9 pages)* 064301
Teruyoshi Kobayashi

Bimodular continuous attractor neural networks with static and moving stimuli *(17 pages)* 064302
Min Yan, Wen-Hao Zhang, He Wang, and K. Y. Michael Wong

Spatial spread of epidemic with Allee effect *(6 pages)* 064303
Evgeniy Khain

Spreading dynamics in networks under context-dependent behavior *(16 pages)* 064304
Giulio Burgio, Sergio Gómez, and Alex Arenas

Challenges in identifying simple pattern-forming mechanisms in the development of settlements using demographic data *(12 pages)* 064305
Bartosz Prokop, Lendert Gelens, Peter F. Pelz, and John Friesen

Signatures of climatic phenomena in climate networks: El Niño and La Niña *(15 pages)* 064306
Ruby Saha and Neelima Gupte

Fluctuation-dissipation relations in the imbalanced Wilson-Cowan model *(15 pages)* 064307
Manoj Kumar Nandi, Antonio de Candia, Alessandro Sarracino, Hans J. Herrmann, and Lucilla de Arcangelis

(Continued)

This paper was highlighted in the APS publication *Physics* (physics.aps.org).

The editors and referees of PRE find these papers to be of particular interest, importance, or clarity. Please see our Announcement Phys. Rev. E 89, 010001 (2014).

PHYSICAL REVIEW E **THIRD SERIES, VOLUME 107, NUMBER 6** **JUNE 2023**

Stochastic thermodynamics of opinion dynamics models *(10 pages)* 064135
Tânia Tomé, Carlos E. Fiore, and Mário J. de Oliveira

Phases of the hard-plate lattice gas on a three-dimensional cubic lattice *(14 pages)* 064136
Dipanjan Mandal, Geet Rakala, Kedar Damle, Deepak Dhar, and R. Rajesh

Spontaneous layering and power-law order in the three-dimensional fully packed hard-plate lattice gas *(15 pages)* 064137
Geet Rakala, Dipanjan Mandal, Soham Biswas, Kedar Damle, Deepak Dhar, and R. Rajesh

Field-theoretic analysis of directed percolation: Three-loop approximation *(16 pages)* 064138
Loran Ts. Adzhemyan, Michal Hnatič, Ella V. Ivanova, Mikhail V. Kompaniets, Tomáš Lučivjanský, and Lukáš Mižišin

Discrete-time quantum walk dispersion control through long-range correlations *(9 pages)* 064139
A. R. C. Buarque, F. S. Passos, W. S. Dias, and E. P. Raposo

One-point height fluctuations and two-point correlators of (2 + 1) cylindrical KPZ systems *(9 pages)* 064140
Ismael S. S. Carrasco and Tiago J. Oliveira

Critical number of walkers for diffusive search processes with resetting *(11 pages)* 064141
Marco Biroli, Satya N. Majumdar, and Grégory Schehr

Large-deviation theory of increasing returns *(14 pages)* 064142
Simone Franchini and Riccardo Balzan

Target searches of interacting Brownian particles in dilute systems *(9 pages)* 064143
Sunghan Ro, Juyeon Yi, and Yong Woon Kim

Lotka-Volterra predator-prey model with periodically varying carrying capacity *(16 pages)* 064144
Mohamed Swailem and Uwe C. Täuber

Nonlinear Dynamics and Chaos

Asymmetry in the Kuramoto model with nonidentical coupling *(18 pages)* 064201
M. Elaeva, E. Blanter, M. Shnirman, and A. Shapoval

Uniform-density Bose-Einstein condensates of the Gross-Pitaevskii equation found by solving the inverse problem for the confining potential *(16 pages)* 064202
Fred Cooper, Avinash Khare, John F. Dawson, Efstathios G. Charalampidis, and Avadh Saxena

Symmetry-breaking transitions in quiescent and moving solitons in fractional couplers *(12 pages)* 064203
Dmitry V. Strunin and Boris A. Malomed

Witnessing quantum chaos using observational entropy *(10 pages)* 064204
Sreeram PG, Ranjan Modak, and S. Aravinda

Learning unidirectional coupling using an echo-state network *(8 pages)* 064205
Swarnendu Mandal and Manish Dev Shrimali

Arnol'd cat map lattices *(17 pages)* 064206
Minos Axenides, Emmanuel Floratos, and Stam Nicolis

Classical approach to equilibrium of out-of-time ordered correlators in mixed systems *(8 pages)* 064207
Tomás Notenson, Ignacio García-Mata, Augusto J. Roncaglia, and Diego A. Wisniacki

(Continued)

This paper was highlighted in the APS publication *Physics* (physics.aps.org).

The editors and referees of PRE find these papers to be of particular interest, importance, or clarity. Please see our Announcement Phys. Rev. E 89, 010001 (2014).

PHYSICAL REVIEW E **THIRD SERIES, VOLUME 107, NUMBER 6** **JUNE 2023**

Probabilistic model of resistance jumps in memristive devices *(5 pages)* 064117
Valeriy A. Slipko and Yuriy V. Pershin

Renormalization of the shell model of turbulence *(9 pages)* 064118
Mahendra K. Verma and Shadab Alam

Average entanglement entropy of midspectrum eigenstates of quantum-chaotic interacting Hamiltonians *(17 pages)* 064119
M. Kliczkowski, R. Świętek, L. Vidmar, and M. Rigol

Mechanism for giant enhancement of transport induced by active fluctuations *(12 pages)* 064120
K. Białas and J. Spiechowicz

Close encounters of the sticky kind: Brownian motion at absorbing boundaries *(18 pages)* 064121
Paul C. Bressloff

Geometrical optics of first-passage functionals of random acceleration *(6 pages)* 064122
Baruch Meerson

Active Brownian particles in a circular disk with an absorbing boundary *(10 pages)* 064123
Francesco Di Trapani, Thomas Franosch, and Michele Caraglio

Heat rectification, heat fluxes, and spectral matching *(8 pages)* 064124
Javier Navarro, Juan Gonzalo Muga, and Marisa Pons

Quantum thermal diode dominated by pure classical correlation via three triangular-coupled qubits *(13 pages)* . . . 064125
Yi-jia Yang, Yu-qiang Liu, and Chang-shui Yu

Entropy-driven phases at high coverage adsorption of straight rigid rods on three-dimensional cubic lattices *(10 pages)* 064126
P. M. Pasinetti, A. J. Ramirez-Pastor, and E. E. Vogel

Site percolation in distorted square and simple cubic lattices with flexible number of neighbors *(9 pages)* 064127
Sayantan Mitra and Ankur Sensharma

Inverse percolation by removing straight semirigid rods from bilayer square lattices *(11 pages)* 064128
F. M. L. Pimentel, N. De La Cruz Félix, L. S. Ramirez, and A. J. Ramirez-Pastor

Diffusion coefficient scaling of a free Brownian particle with velocity-dependent damping *(6 pages)* 064129
Mykhaylo Evstigneev and Amir Kaffashnia

Persistent nonequilibrium effects in generalized Langevin dynamics of nonrelativistic and relativistic particles *(12 pages)* 064131
Weiguo Chen, Carsten Greiner, and Zhe Xu

Sandpiles subjected to sinusoidal drive *(11 pages)* 064132
J. Cheraghalizadeh, M. A. Seifi MirJafarlou, and M. N. Najafi

Dynamical phase transition in the occupation fraction statistics for noncrossing Brownian particles *(11 pages)* . . . 064133
Soheli Mukherjee and Naftali R. Smith

Excited-state quantum phase transitions in the anharmonic Lipkin-Meshkov-Glick model: Dynamical aspects *(13 pages)* 064134
J. Khalouf-Rivera, J. Gamito, F. Pérez-Bernal, J. M. Arias, and P. Pérez-Fernández

(Continued)

This paper was highlighted in the APS publication *Physics* (physics.aps.org).

The editors and referees of PRE find these papers to be of particular interest, importance, or clarity. Please see our Announcement Phys. Rev. E 89, 010001 (2014).

PHYSICAL REVIEW E **THIRD SERIES, VOLUME 107, NUMBER 6** **JUNE 2023**

ARTICLES

Statistical Physics

Estimation of diffusion time with the Shannon entropy approach *(9 pages)* 064101
Pablo M. Cincotta and Claudia M. Giordano

Generalized Langevin equation with shear flow and its fluctuation-dissipation theorems derived from a Caldeira-Leggett Hamiltonian *(16 pages)* 064102
Sara Pelargonio and Alessio Zaccone

Subdiffusion equation with fractional Caputo time derivative with respect to another function in modeling transition from ordinary subdiffusion to superdiffusion *(17 pages)* 064103
Tadeusz Kosztołowicz

Thermodynamic uncertainty relations in mesoscopic devices *(12 pages)* 064104
I. R. A. C. Lucena, R. A. Batista, and J. G. G. S. Ramos

Out-of-equilibrium dynamics of repulsive ranked diffusions: The expanding crystal *(19 pages)* 064105
Ana Flack, Pierre Le Doussal, Satya N. Majumdar, and Grégory Schehr

Random sequential adsorption of self-avoiding chains on two-dimensional lattices *(10 pages)* 064106
L. S. Ramirez, P. M. Pasinetti, and A. J. Ramirez-Pastor

Geometric conjecture about phase transitions *(13 pages)* 064107
O. B. Eriçok and J. K. Mason

Nonsteady dynamics at the dynamic depinning transition in the two-dimensional Gaussian random-field Ising model *(10 pages)* 064108
Xiaohui Qian, Gaotian Yu, and Nengji Zhou

Quantum ergotropy and quantum feedback control *(11 pages)* 064109
Kenta Koshihara and Kazuya Yuasa

Traversing the nucleation-growth landscape through heterogeneous random walks *(10 pages)* 064110
Kaicheng Zhu and Haibin Su

How to count in hierarchical landscapes: A full solution to mean-field complexity *(18 pages)* 064111
Jaron Kent-Dobias and Jorge Kurchan

Classical statistical mechanics in the μVL and μpR ensembles *(17 pages)* 064112
Philipp Ströker and Karsten Meier

Distinguishing between a power law and a Pareto distribution *(12 pages)* 064113
Joan del Castillo and Pedro Puig

Adiabatic processes like isothermal processes *(8 pages)* 064114
Pierre Nazé

Heat statistics in the relaxation process of the Edwards-Wilkinson elastic manifold *(8 pages)* 064115
Yu-Xin Wu, Jin-Fu Chen, Ji-Hui Pei, Fan Zhang, and H. T. Quan

Temperature anomalies of oscillating diffusion in ac-driven periodic systems *(8 pages)* 064116
I. G. Marchenko, V. Aksenova, I. I. Marchenko, J. Łuczka, and J. Spiechowicz

(Continued)

This paper was highlighted in the APS publication *Physics* (physics.aps.org).

The editors and referees of PRE find these papers to be of particular interest, importance, or clarity. Please see our Announcement Phys. Rev. E 89, 010001 (2014).

PHYSICAL REVIEW E™

For editorial and subscription correspondence, please see inside front cover
(ISSN: 2470-0045)

PERIODICALS
Postmaster send address changes to:

APS Subscription Services
P.O. Box 41
Annapolis Junction, MD 20701

THIRD SERIES, VOLUME 107, NUMBER 6
PARTS A AND B

CONTENTS

JUNE 2023

The Table of Contents is a total listing of Parts A and B.
Part A consists of pages L062101–064215, and Part B pages 064301–069902(E).

PART A

LETTERS

Statistical Physics

Universal performance bounds of restart *(7 pages)* L062101
Dmitry Starkov and Sergey Belan

Inclusion statistics and particle condensation in two dimensions *(6 pages)* L062102
Stéphane Ouvry and Alexios P. Polychronakos

S Bound for the moment generating function from the detailed fluctuation theorem *(5 pages)* L062103
Domingos S. P. Salazar

Nonanomalous heat transport in a one-dimensional composite chain *(5 pages)* L062104
Piero Olla

Nonlinear Dynamics and Chaos

Localized-diffusive and ballistic-diffusive transitions in kicked incommensurate lattices *(5 pages)* L062201
Hiroaki S. Yamada and Kensuke S. Ikeda

Biological Physics

Cell-strain-energy costs of active control of contractility *(7 pages)* L062401
Josephine Solowiej-Wedderburn and Carina M. Dunlop

Colloids, Complex Fluids, and Active Matter

Mean-field theory of chaotic insect swarms *(6 pages)* L062601
R. González-Albaladejo and L. L. Bonilla

Fluid Dynamics

Lifetime of evaporating two-dimensional sessile droplets *(5 pages)* L063101
Ehud Yariv

Plasma Physics

Cauchy-type integral method for solving the linearized one-dimensional Vlasov-Poisson equation *(6 pages)* L063201
Frank M. Lee and B. A. Shadwick

(Continued)

2470-0045(202306)107:6:B;1-X

P This paper was highlighted in the APS publication *Physics* (physics.aps.org).

S The editors and referees of PRE find these papers to be of particular interest, importance, or clarity. Please see our Announcement Phys. Rev. E 89, 010001 (2014).