

PHYSICAL REVIEW E

STATISTICAL, NONLINEAR, AND SOFT MATTER PHYSICS

Editors

GARY S. GREY

(Sandia National Laboratories)

MARGARET MALLOY

(APS Editorial Office)

Associate Editors

MARC BARTHELEMY

(CEA-Centre d'Etudes de Bruyeres-le-Chatel)

MICHAEL BRENNER

(Harvard University)

DIRK JAN BUKMAN

(APS Editorial Office)

RONALD DICKMAN

(Universidade Federal de Minas Gerais)

BURKHARD DUENWEG

(Max-Planck-Institut fuer Polymerforschung)

BRANT M. JOHNSON

(Brookhaven National Laboratory)

JOHN F. MARKO

(Northwestern University)

ANTONIO POLITI

(CNR-Istituto dei Sistemi Complessi)

MARK SAFFMAN

(University of Wisconsin)

JONATHAN SELINGER

(Kent State University)

ROBERT ZIFF

(University of Michigan)

Senior Assistant Editor

MARGARET FOSTER

Assistant Editors

JILL M. GARGANO

VALERIE L. MILLER

JOANNA POPADIUK

Senior Editorial Assistant

JOYCE MASTERSON

Editorial Assistant

TERRE ARENA

EDITORIAL BOARD

Term ending 31 December 2007

G. AHLERS	Critical Phenomena, Turbulence
A. BARRAT	Statistical Physics, Glasses
J.-P. BOUCHAUD	Statistical Physics
R. BUNDSCHUH	Biopolymers
G. CASATI	Quantum Chaos, Classical Chaos
B. DROSSEL	Complex Systems
W. FIRTH	Nonlinear Optics, Optical Patterns, Solitons
R. KAPRAL	Statistical Mechanics, Nonlinear Dynamics
A. J. C. LADD	Computational Physics
A. A. MARADUDIN	Photonic Crystals
O. SCHILLING	Fluid Mechanics, Turbulence
B. YA. ZELDOVICH	Electrodynamics

Term ending 31 December 2008

H. CHATÉ	Nonlinear and Statistical Physics
G. B. ERMENTROUT	Computational Neuroscience
P. HÄNGGI	Statistical and Stochastic Physics
T. W. JOHNSTON	Plasma Physics
A. R. KERSTEIN	Turbulence
O. LAVRETOVICH	Liquid Crystals
F. LEDERER	Photonics, Nonlinear Optics
D. LOHSE	Turbulence
E. MARX	Classical and Quantum Physics
M. WORTIS	Biological and Statistical Physics

Term ending 31 December 2009

R. ALBERT	Interdisciplinary Physics
D. BONN	Fluid Mechanics
I. GOLDBIRSCHE	Granular Materials, Statistical Mechanics
R. HOLYST	Liquid Crystals, Complex Fluids
P. D. OLMSTED	Complex Fluids
H. SCHIESSEL	Polymer Physics, Biological Physics
B. SCHMITTMANN	Statistical Physics
G. STELL	Statistical Physics
G. C. L. WONG	Biological Physics
G. ZASLAVSKY	Chaos, Fractional Dynamics

The American Physical Society

One Physics Ellipse
College Park, MD 20740-3844

<i>President</i>	LEO P. KADANOFF
<i>President-Elect</i>	ARTHUR BIENENSTOCK
<i>Vice-President</i>	CHERRY A. MURRAY
<i>Editor-in-Chief</i>	MARTIN BLUME
<i>Treasurer and Publisher</i>	JOSEPH W. SERENE
<i>Executive Officer</i>	JUDY R. FRANZ

APS Editorial Office

1 Research Road, Box 9000
Ridge, NY 11961-9000

Phone: (631) 591-4050

Fax: (631) 591-4141

Email: pre@aps.org

Web: <http://publish.aps.org/>

Submissions: pretext@aps.org or

<http://authors.aps.org/ESUB/>

Member Subscriptions:

APS Membership Department

One Physics Ellipse
College Park, MD 20740-3844

Phone: (301) 209-3280

Fax: (301) 209-0867

Email: membership@aps.org

Institutional Subscriptions:

APS Subscription Services

Suite 1N01

2 Huntington Quadrangle

Melville, NY 11747-4502

Phone: (516) 576-2270, (800) 344-6902

Fax: (516) 349-9704

Email: subs@aps.org

Manuscripts should be **submitted** electronically in acceptable format (see <http://authors.aps.org/ESUB/> or inquire at pretext@aps.org). If this is not possible, send one copy to the Editorial Office. Submission is a representation that the manuscript has not been published previously and is not currently under consideration for publication elsewhere. Authors should provide indexing codes according to the PACS scheme (available at <http://publish.aps.org/PACS/>). An executed APS **copyright-transfer** form must be provided (effective only on acceptance for publication); the form is available via our Web submission server and via <http://authors.aps.org/>. Information for contributors may be found on our Web server or in the January and July issues.

To help defray editorial and production expenses, authors of articles which are not submitted in acceptable electronic format are expected to pay a **publication charge** of \$125 plus \$125 per journal page. Acceptable formats are REV_TEX (preferred), L^AT_EX, plain T_EX; MS Word; PostScript figures. **Reprints** are offered for sale to authors.

For information about **subscription prices** and about the **online version** of the journal, see our Web server, or inquire at assocpub@aps.org. **Member** inquiries regarding **subscriptions**, renewals, address changes, missing or damaged copies, microfilm, and single-copy orders should be addressed to the APS Membership Department. **Institutional subscribers** should address subscription inquiries to APS Subscription Services. For address changes please send both old and new addresses, and if possible, send the mailing label from a recent issue.

Copyright © 2007 by The American Physical Society. All rights reserved.

Physical Review ETM is a trademark of The American Physical Society.

Rights and Permissions: See <http://forms.aps.org/author/copyfaq.html>.

Copying: No part of this publication may be reproduced, stored in a retrieval system or transmitted in any form or by any means, electronic, mechanical, photocopying, recording or otherwise, without the written permission of the publisher, except as stated below. Single copies of individual articles may be made for private use or research. Authorization is given to copy articles beyond the use permitted by Sections 107 and 108 of the U.S. Copyright Law, provided the copying fee of \$25.00 per copy per article is paid to the Copyright Clearance Center, 222 Rosewood Drive, Danvers, MA 01923, USA.

Reproduction of an entire Article in a reprint collection, or for advertising or promotional purposes, or republication in any form requires permission from APS. Permission must be sought from the Associate Publisher, The American Physical Society, One Physics Ellipse, College Park, MD 20740-3844; email: assocpub@aps.org.

Other Use: Permission is granted to quote from the journal with the customary acknowledgment of the source. Permission must be sought from the APS Associate Publisher to reproduce a figure, table, or excerpt of an Article. Authorization for private use or research does not extend to systematic or multiple reproduction, to copying for promotional purposes, to distribution in any format, or to republication in any form. In all such cases, specific permission from APS must be obtained.

Physical Review E [ISSN: 1539-3755 (print), 1550-2376 (online); CODEN PLEEE8; printed in USA] is published monthly by The American Physical Society, 1 Research Road, Box 9000, Ridge, NY 11961-9000.

POSTMASTER: Send address changes to Physical Review E, APS Subscription Services, Suite 1N01, 2 Huntington Quadrangle, Melville, NY 11747-4502. The 2007 print + online base price is \$2910. Periodicals postage rates are paid at Huntington Station, NY, and additional mailing offices.