

Consulting Editors

Qi Ouyang (Peking University, Beijing, China)
Sudeshna Sinha (Inst. of Mathematical Sciences, Chennai, India)

Editors

F. Tito Arecchi (Istituto Nazionale di Ottica, Florence, Italy)
Stefano Boccaletti (CNR-Istituto dei Sistemi Complessi, Florence, Italy)
Elizabeth Bradley (University of Colorado at Boulder, Boulder, CO)
Leonid Bunimovich (Georgia Institute of Technology, Atlanta, GA)
William L. Ditto (University of Florida, Gainesville, FL)
Robert E. Ecke (Los Alamos National Laboratory, Los Alamos, NM)
Irving R. Epstein (Brandeis University, Waltham, MA)
Mitchell J. Feigenbaum (Rockefeller University, New York, NY)
Leon Glass (McGill University, Montréal, Canada)
John L. Hudson (University of Virginia, Charlottesville, VA)
Jürgen Kurths (University of Potsdam, Potsdam, Germany)
Anatoly I. Neishtadt (Space Research Institute, Moscow, Russia
and Loughborough University, UK)
Yasumasa Nishiura (Hokkaido University, Sapporo, Japan)
Lev A. Ostrovsky (Zel Technologies/Univ. of Colorado, Boulder, CO,
and Inst. of Appl. Physics, RAS, Nizhny Novgorod, Russia)
Louis M. Pecora (Naval Research Laboratory, Washington, DC)
Kenneth Showalter (West Virginia University, Morgantown, WV)
Charles P. Tresser (on disability leave from IBM)

Advisory Board

Valentin Afraimovich (09)	Herbert Levine (10)
Réka Albert (10)	Michael C. Mackey (09)
Lora Billings (11)	Fabio Marchesoni (11)
Thomas L. Carroll (11)	Anita Mehta (09)
James Crutchfield (10)	Alexander S. Mikhailov (10)
Nir Davidson (10)	John Milton (11)
Anne De Wit (11)	Philip J. Morrison (10)
Ulrike Feudel (10)	Erik Mosekilde (11)
Theo Geisel (11)	Frank E. Moss (09)
Raymond E. Goldstein (10)	Arkadi Pikovski (11)
Michael Gorman (09)	Antonello Provenzale (11)
Peter Grassberger (10)	Vered Rom-Kedar (11)
Roger Grimshaw (09)	Hava T. Siegelmann (10)
Jeff Hastly (10)	Yuri A. Stepanyants (09)
Peter Jung (11)	Tamas Tel (10)
Tasso J. Kaper (10)	Dmitry Treschev (11)
Raymond E. Kapral (11)	Ichiro Tsuda (11)
Yuri Kivshar (09)	Z. Jane Wang (09)
Daniel P. Lathrop (10)	Anne M. Wilkinson (09)
Vito Latora (09)	

Production Staff at AIP: cha@aip.org

Comments: Direct comments on the journal or editorial process to Doreene Berger, Editorial Operations, AIP, Suite 1N01, 2 Huntington Quadrangle, Melville, NY 11747-4502; Tel.: 516-576-2444; Fax: 516-576-2450; E-mail: dberger@aip.org.

Chaos (ISSN: 1054-1500) is published quarterly by the American Institute of Physics. The 2009 print + online base price is US\$705. POSTMASTER: Send address changes to *Chaos*, AIP, Suite 1N01, 2 Huntington Quadrangle, Melville, NY 11747-4502. Periodicals postage paid at Huntington Station, NY 11746, and additional mailing offices.
Printed on AIP Cote 38# paper, pH 6–8.

Chaos is published by the American Institute of Physics (AIP) and devoted to increasing the understanding of nonlinear phenomena and describing the manifestations in a manner comprehensible to researchers from a broad spectrum of disciplines. Content is published online daily, collected into quarterly online and printed issues (4 issues per year).

Information for Authors

Submissions: Submit manuscripts online at <http://chaos.peeerx-press.org>. Editorial Office: Janis Bennett, *Chaos* Editorial Office, American Institute of Physics, Suite 1N01, 2 Huntington Quadrangle, Melville, NY 11747-4502 USA; E-mail: chaos@aip.org. Submission implies that the manuscript has not been published previously, and is not currently submitted for publication elsewhere. For detailed Information for Contributors, visit <http://chaos.aip.org/chaos/submit.jsp>.

Publication Charge: Although the journal carries no regular page charge, for any contributed published article that exceeds 12 journal pages, a mandatory \$150 page charge will be added for each page in excess of 12 pages.

Open Access: Through participation in *Author Select*[®] and payment of a \$1500 fee, authors may choose open access publication for their accepted papers. See information during manuscript submission at <http://chaos.peeerx-press.org>.

Free Color Online: If authors supply usable color graphics files in time for the production process, color will appear in the online journal free of charge.

Color Printing: Color illustrations will be published free of charge to authors if the Journal's editors deem the use of color to be essential. As of 1 January 2009, a fixed rate of \$325 for each color figure applies for color in print. For multipart figures, a single charge will apply only if all parts are submitted as a single piece of artwork.

Reprints: Order reprints with or without covers only in multiples of 50 from AIP, Circulation & Fulfillment/Reprints, Suite 1N01, 2 Huntington Quadrangle, Melville, NY 11747-4502. Fax: 516-349-9704; Tel.: 1-800-344-6909 (U.S. & Canada) or 516-576-2270.

Supplemental Material may be deposited with AIP's Electronic Physics Auxiliary Publication Service (EPAPS), an online depository. Authors may submit multimedia, data tables, text, etc. Address requests to the Editor; for additional information, see <http://www.aip.org/pubservs/epaps.html>.

Online Status Inquiry: During the production process, authors may access information about their accepted manuscripts at <http://www.aip.org/msinq/status.html>.

Digital Object Identifier (DOI): Each archival article published is assigned a unique DOI that serves to identify the article in a digital environment. In print, the DOI appears at the end of each abstract.

2009 Subscription Prices

Institutions: For information, visit <http://librarians.aip.org>. Institutional rates may be found online at <http://chaos.aip.org/chaos/subpricing.jsp> or contact AIP Customer Services at subs@aip.org [Tel.: 800-334-6902 (U.S. & Canada) or 516-576-2270; Fax: 516-349-9704].

Members: For information, visit <http://chaos.aip.org/chaos/subpricing.jsp> or contact AIP Customer Services at subs@aip.org [Tel.: 800-344-6902 (U.S. & Canada) or 516-576-2270; Fax: 516-349-9704].

Additional Availability

Online Access: *Chaos* is available online at <http://chaos.aip.org>.

Microfilm: *Chaos* is available on microfilm issued annually. Direct requests to AIP, Circulation & Fulfillment/Single Copy Sales, Suite 1N01, 2 Huntington Quadrangle, Melville, NY 11747-4502; Fax: 516-349-9704; Tel.: 1-800-344-6902 (U.S. & Canada) or 516-576-2270.

Document Delivery: Copies of journal articles can be ordered for online delivery from DocumentStore, AIP's online document delivery service (<http://www.documentstore.org>).

Customer Service

Subscription Orders and Renewals should be addressed to American Institute of Physics, P.O. Box 503284, St. Louis, MO 63150-3284. Tel.: 1-800-344-6902 (U.S. & Canada) or 516-576-2270; Fax: 516-349-9704; E-mail: subs@aip.org. Allow at least six weeks advance notice.

Inquiries, Address Changes, Claims, Single Copy Replacements, and Back Volumes: For address changes, please send both old and new addresses and, if possible, include the mailing label from a recent issue. Missing issue requests will be honored only if received within six months of publication date (nine months for Australia & Asia). Please forward your missing issue claim requests to claims@aip.org. Single copies of *Chaos* may be ordered and back volumes are available in print or microfilm. Contact AIP Customer Services at 1-800-344-6902 (U.S. & Canada) or 516-576-2270; Fax: 516-349-9704; E-mail: subs@aip.org.

Reprint Billing: Contact AIP Publication Charge & Reprints/CFD, Suite 1N01, 2 Huntington Quadrangle, Melville, NY 11747-4502; Tel.: 1-800-344-6909 (U.S. & Canada) or 516-576-2270; E-mail: pcr@aip.org.

Rights and Permissions

Copying: Single copies of individual articles may be made for private use or research. Authorization is given to copy articles beyond the free use permitted under Sections 107 and 108 of the U.S. Copyright Law, provided that the copying fee of \$25.00 per copy per article is paid to the Copyright Clearance Center, 222 Rosewood Drive, Danvers, MA 01923, USA, <http://www.copyright.com>. For classroom use fees, contact CCC's Academic Permission Service. (Note: The ISSN for this journal is 1054-1500.)

Authorization does not extend to systematic or multiple reproduction, to copying for promotional purposes, to electronic storage or distribution, or to republication in any form. In all such cases, specific written permission from AIP must be obtained. Note: Copies of individual articles may also be purchased online via AIP's DocumentStore service (<http://www.documentstore.org>).

Other Use: See journal home page for author's web posting guidelines. Permission is granted to quote from the journal with the customary acknowledgment of the source. Republication of an article or portions thereof requires formal permission from AIP and may be subject to fees. Permission may be obtained online using Rightslink. Simply click on the Rightslink icon found in the article abstracts. You may also address requests to: AIP Office of Rights & Permissions, Suite 1N01, 2 Huntington Quadrangle, Melville, NY 11747-4502; Fax: 516-576-2450; Tel.: 516-576-2268; E-mail: rights@aip.org.