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Andrey Shilnikov

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Alexei A. Vasiliev

Space Research Institute Profsoyuznaya 84/32 Moscow 117997, Russia Email: valex@iki.rssi.ru

Eugenio Aulisa

Mathematics & Statistics Texas Tech University 1108 Memorial Circle Lubbock, TX 79409, USA Email: eugenio.aulisa@ttu.edu

Masood Khalique

International Institute for Symmetry Analysis and Mathematical Modelling, Department of Mathematical Sciences, North-West University, Mafikeng Campus, Private Bag X 2046, Mmabatho 2735, South Afraica Email : Masood.Khalique@nwu.ac.za

Elbert E.N. Macau

Laboratory for Applied Mathematics and Computing, National Institute for Space Research, Av. dos Astronautas, 1758 C. Postal 515 12227-010 - Sao Jose dos Campos - SP, Brazil Email: elbert.macau@gmail.com

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Center for Biomedical Technology Technical University of Madrid Campus Montegancedo 28223 Pozuelo de Alarcon, Madrid, Spain E-mail: alexander.pisarchik@ctb.upm.es

C. Steve Suh Department of Mechanical Engineering Texas A&M University College Station, Texas 77843-3123,USA Email: ssuh@tamu.edu

Guo-Cheng Wu Data Recovery Key Laboratory of Sichuan

Province Neijiang Normal University, Neijiang 641100, China Email: wuguocheng@gmail.com

Dumitru Baleanu

Cankaya University, Ankara, Turkey Institute of Space Sciences, Magurele-Bucharest, Romania Email: dumitru.baleanu@gmail.com

Marie-Christine Firpo

Laboratoire de Physique des Plasmas CNRS UMR 7648, Ecole Polytechnique 91128 Palaiseau cedex, France Email: mariechristine.firpo@lpp.polytechnique.fr

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Climate Service Center Germany (GERICS), Hamburg & Nansen International Environmental and Remote Sensing Centre (NIERSC) & Saint Petersburg State University (SPbU), St. Petersburg, Russia Email: dmitry.v.kovalevsky@gmail.com

Fuhong Min

School of Electrical & Electronic Engineering, Nanjing Normal University China Email: minfuhong@njnu.edu.cn

Miguel A. F. Sanjuan

Nonlinear Dynamics, Chaos and Complex Systems Universidad Rey Juan Carlos Tulipán s/n, 28933 Mostoles, Madrid, España-Spain Email: miguel.sanjuan@urjc.es

Hansong Tang

Civil Engineering The City College of New York New York, USA Email: htang@ccny.cuny.edu

Siyuan Xing

Department of Mechanical Engineering California Polytechnic State University San Luis, Obispo, CA, 93401, USA Email: siyuanxing9132@gmail.com

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- · Stochastic dynamical systems and randomness
- · Complexity, self-similarity and synchronization
- · Complex nonlinear phenomena in physical systems
- · Stability, bifurcation and chaos in complex systems
- · Turbulence and other complex phenomena in hydrodynamics
- Nonlinear waves and solitons
- Dynamical networks
- Combinatorial aspects of dynamical systems
- · Biological dynamics and biophysics
- Pattern formation, social science and complexization

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Department of Physics Saratov State University Astrakhanskaya 83, 410026, Saratov, Russia Email: wadim@info.sgu.ru

Igor Belykh

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Maurice Courbage

CNRS-UMR 7057 "Matière et Systèmes Complexes", 75205 Paris Cedex 13 France Email: maurice.courbage@univ-parisdiderot.fr

Tassilo Küpper

Mathematical Institute University of Cologne, Weyertal 86-90 D-50931 Cologne, Germany Email: kuepper@math.uni-koeln.de

Mikhail Malkin

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Nikolai Rulkov

BioCircuits Institute, University of California, San Diego, 9500 Gilman Drive #0328 La Jolla, CA 92093-0328, USA Email: nrulkov@ucsd.edu

Vladimir V. Uchaikin

Ulyanovsk State University L.Tolstoy Str. 42 Ulyanovsk 432700, Russia Fax: +7 842 232 90 14 Email: vuchaikin@gmail.com

Mokhtar Adda-Bedia

Laboratoire de Physique Statistique Ecole Normale Supérieure 24 rue Lhomond, 75231 Paris Cedex 05, France Email: adda@lps.ens.fr

Didier Bénisti

CEA, DAM, DIF 91297 Arpajon Cedex France Email: didier.benisti@cea.fr

Michal Feckan

Department of Mathematical Analysis and Numerical Mathematics, Comenius University Mlynska dolina 842 48 Bratislava, Slovakia Email: michal.feckan@fmph.uniba.sk

Xavier Leoncini

Centre de Physique Théorique, Aix-Marseille Université, CPT Campus de Luminy, Case 907 13288 Marseille Cedex 9, France Email: leoncini@cpt.univ-mrs.fr

Vladimir I. Nekorkin

Institute of Applied Physics of RAS 46 Ul'yanov Street, 603950, Nizhny Novgorod, Russia Email: vnekorkin@neuron.appl.sci-nnov.ru

Vasily E. Tarasov

Skobeltsyn Institute of Nuclear Physics Moscow State University 119992 Moscow, Russia Fax: +7 495 939 03 97 Email: tarasov@theory.sinp.msu.ru

Edgardo Ugalde

Instituto de Fisica Universidad Autonoma de San Luis Potosi Av. Manuel Nava 6, Zona Universitaria San Luis Potosi SLP CP 78290, Mexico Email: gallo.ugalde@gmail.com

Ravi P. Agarwal

Department of Mathematics Texas A&M University – Kingsville, Kingsville, TX 78363-8202, USA Email: agarwal@tamuk.edu

Alexandre N. Carvalho

Departamento de Matem'atica, Instituto de Ci^encias Matem'aticas e de Computa,c~ao Universidade de S~ao Paulo - Campus de S~ao Carlos, Caixa Postal 668, 13560-970 S~ao Carlos SP, Brazil Email: andcarva@icmc.usp.br

Stefano Galatolo

Dipartimento di Matematica Applicata Via Buonattoti 1 56127 Pisa, Italy Email: s.galatolo@ing.unipi.it

Yuri Maistrenko

Institute of Mathematics National Academy of Sciences of Ukraine Volodymyrska Str. 54, room 232 01030 Kiev, Ukraine E-mail: y.maistrenko@biomed.kiev.ua

Raul Rechtman

Centro de Investigacion en Energia Universidad Nacional Autonoma de Mexico Priv. Xochicalco S/N, Temixco Morelos 62580, Mexico Email: rrs@cie.unam.mx

Marco Thiel

Institute for Mathematical Biology and Complex Systems University of Aberdeen AB243UE Aberdeen, Scotland, UK Fax: +44 1224 273105 Email: m.thiel@abdn.ac.uk

Todd Young

Department of Mathematics Ohio University Athens, OH 45701, USA Email: young@math.ohiou.edu