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Record 1 of 47**Author(s):** Kuznetsov, EA (Kuznetsov, E. A.); Agafontsev, DS (Agafontsev, D. S.); Dias, F (Dias, F.)**Title:** Bifurcations of Solitary Waves**Source:** JOURNAL OF MATHEMATICAL PHYSICS ANALYSIS GEOMETRY, 4 (4): 529-550 2008**ISSN:** 1812-9471

Record 2 of 47**Author(s):** Matei, B (Matei, Basarab); Meyer, Y (Meyer, Yves)**Title:** Quasicrystals are sets of stable sampling**Source:** COMPTES RENDUS MATHEMATIQUE, 346 (23-24): 1235-1238 DEC 2008**ISSN:** 1631-073X**DOI:** 10.1016/j.crma.2008.10.006

Record 3 of 47**Author(s):** Alter, F (Alter, Francois); Caselles, V (Caselles, Vicent)**Title:** Uniqueness of the Cheeger set of a convex body**Source:** NONLINEAR ANALYSIS-THEORY METHODS & APPLICATIONS, 70 (1): 32-44 JAN 1 2008**ISSN:** 0362-546X**DOI:** 10.1016/j.na.2007.11.032

Record 4 of 47**Author(s):** Jaisson, P (Jaisson, P.); DeVuyst, F (DeVuyst, F.)**Title:** Data assimilation and inverse problem for fluid traffic flow models and algorithms**Source:** INTERNATIONAL JOURNAL FOR NUMERICAL METHODS IN ENGINEERING, 76 (6): 837-861 NOV 5 2008**ISSN:** 0029-5981**DOI:** 10.1002/nme.2349

Record 5 of 47**Author(s):** Desvillettes, L (Desvillettes, Laurent); Fellner, K (Fellner, Klernens)**Title:** Entropy methods for reaction-diffusion equations: slowly growing a-priori bounds**Source:** REVISTA MATEMATICA IBEROAMERICANA, 24 (2): 407-431 2008**ISSN:** 0213-2230

Record 6 of 47**Author(s):** Alouges, F (Alouges, Francois); De Vuyst, F (De Vuyst, Florian); Le Coq, G (Le Coq, Gerard); Lorin, E (Lorin, Emmanuel)**Title:** The reservoir technique: a way to make Godunov-type schemes zero or very low diffuse. Application to Colella-Glaz solver**Source:** EUROPEAN JOURNAL OF MECHANICS B-FLUIDS, 27 (6): 643-664 NOV-DEC 2008**ISSN:** 0997-7546**DOI:** 10.1016/j.euromechflu.2008.01.001

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Author(s): Desvilletes, L (Desvilletes, Laurent); Jabin, PE (Jabin, Pierre-Emmanuel); Mischler, S (Mischler, Stephane); Raoul, G (Raoul, Gael)

Title: ON SELECTION DYNAMICS FOR CONTINUOUS STRUCTURED POPULATIONS

Source: COMMUNICATIONS IN MATHEMATICAL SCIENCES, 6 (3): 729-747 SEP 2008

ISSN: 1539-6746

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Author(s): Benkhaldoun, F (Benkhaldoun, Fayssal); Seaid, M (Seaid, Mohammed)

Title: New Finite-Volume Relaxation Methods for the Third-Order Differential Equations

Source: COMMUNICATIONS IN COMPUTATIONAL PHYSICS, 4 (4): 820-837 OCT 2008

ISSN: 1815-2406

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Author(s): von Gioi, RG (von Gioi, Rafael Grompone); Jakubowicz, J (Jakubowicz, Jeremie); Morel, JM (Morel, Jean-Michel); Randall, G (Randall, Gregory)

Title: On straight line segment detection

Source: JOURNAL OF MATHEMATICAL IMAGING AND VISION, 32 (3): 313-347 NOV 2008

ISSN: 0924-9907

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Author(s): Durrleman, S (Durrleman, Stanley); Pennec, X (Pennec, Xavier); Trounev, A (Trounev, Alain); Thompson, P (Thompson, Paul); Ayache, N (Ayache, Nicholas)

Title: Inferring brain variability from diffeomorphic deformations of currents: An integrative approach

Source: MEDICAL IMAGE ANALYSIS, 12 (5): 626-637 OCT 2008

Conference Title: 10th International Conference on Medical Imaging and Computer Assisted Intervention

Conference Date: OCT 26-NOV 02, 2007

Conference Location: Brisbane, AUSTRALIA

ISSN: 1361-8415

DOI: 10.1016/j.media.2008.06.010

Record 11 of 47

Author(s): Nguyen, HY (Nguyen, Hai Yen); Dias, F (Dias, Frederic)

Title: A Boussinesq system for two-way propagation of interfacial waves

Source: PHYSICA D-NONLINEAR PHENOMENA, 237 (18): 2365-2389 SEP 2008

ISSN: 0167-2789

DOI: 10.1016/j.physd.2008.02.020

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Author(s): Ndjinga, M (Ndjinga, Michael); Kumbaro, A (Kumbaro, Anela); De Vuyst, F (De Vuyst, Florian); Laurent-Gengoux, P (Laurent-Gengoux, Pascal)

Title: Numerical simulation of hyperbolic two-phase flow models using a Roe-type solver

Source: NUCLEAR ENGINEERING AND DESIGN, 238 (8): 2075-2083 Sp. Iss. SI AUG 2008

ISSN: 0029-5493

DOI: 10.1016/j.nucengdes.2007.11.014

Record 13 of 47

Author(s): Le Meur, P (Le Meur, Patrick)

Title: The universal cover of a monomial triangular algebra without multiple arrows

Source: JOURNAL OF ALGEBRA AND ITS APPLICATIONS, 7 (4): 443-469 AUG 2008

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Author(s): Filoche, M (Filoche, M.); Sapoval, B (Sapoval, B.)

Title: Diffusion of gases into the lung: How physics can help to understand physiology

Source: PRAMANA-JOURNAL OF PHYSICS, 71 (2): 245-251 AUG 2008

Conference Title: International Workshop and Conference on Statistical Physics Approaches to Multidisciplinary Problems

Conference Date: JAN 07-13, 2008

Conference Location: Guwahati, INDIA

Conference Host: Indian Inst Technol

ISSN: 0304-4289

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Author(s): Agafontsev, DS (Agafontsev, D. S.); Dias, F (Dias, F.); Kuznetsov, EA (Kuznetsov, E. A.)

Title: Collapse of solitary waves near the transition from supercritical to subcritical bifurcations

Source: JETP LETTERS, 87 (12): 667-671 AUG 2008

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DOI: 10.1134/S0021364008120047

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Author(s): Le Saux, B (Le Saux, B.); Chalmond, B (Chalmond, B.); Yu, Y (Yu, Y.); Trouve, A (Trouve, A.); Renaud, O (Renaud, O.); Shorte, SL (Shorte, S. L.)

Book Group Author(s): IEEE

Title: Micro-rotation imaging deconvolution

Source: 2008 IEEE INTERNATIONAL SYMPOSIUM ON BIOMEDICAL IMAGING: FROM NANO TO MACRO, VOLS 1-4: 1367-1370 2008

Conference Title: 5th IEEE International Symposium on Biomedical Imaging - From Nano to Macro

Conference Date: MAY 14-17, 2008

Conference Location: Paris, FRANCE

ISBN: 978-1-4244-2002-5

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Author(s): Ma, J (Ma, Jun); Miller, MI (Miller, Michael I.); Trouve, A (Trouve, Alain); Younes, L (Younes, Laurent)

Title: Bayesian template estimation in computational anatomy

Source: NEUROIMAGE, 42 (1): 252-261 AUG 1 2008

ISSN: 1053-8119

DOI: 10.1016/j.neuroimage.2008.03.056

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Author(s): Yu, Y (Yu, Yong); Trouve, A (Trouve, Alain); Wang, J (Wang, Jiaping); Chalmond, B (Chalmond, Bernard)

Title: An integrated statistical approach for volume reconstruction from unregistered sequential slices

Source: INVERSE PROBLEMS, 24 (4): Art. No. 045004 AUG 2008

ISSN: 0266-5611

DOI: 10.1088/0266-5611/24/4/045004

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Author(s): Luo, B (Luo, Bin); Aujol, JF (Aujol, Jean-Francois); Gousseau, Y (Gousseau, Yann); Ladjal, S (Ladjal, Saied)

Title: Indexing of satellite images with different resolutions by wavelet features

Source: IEEE TRANSACTIONS ON IMAGE PROCESSING, 17 (8): 1465-1472 AUG 2008

ISSN: 1057-7149

DOI: 10.1109/TIP.2008.925367

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Author(s): Andronov, IV (Andronov, I. V.); Bouche, DP (Bouche, D. P.)

Title: Degeneration of electromagnetic creeping waves in a vicinity of critical values of anisotropic impedance

Source: IEEE TRANSACTIONS ON ANTENNAS AND PROPAGATION, 56 (7): 1984-1992 JUL 2008

ISSN: 0018-926X

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Record 21 of 47

Author(s): Mathiaud, J (Mathiaud, Julien)

Title: Local smooth solutions of the incompressible K-epsilon model and the low turbulent diffusion limit

Source: COMMUNICATIONS IN MATHEMATICAL SCIENCES, 6 (2): 361-383 JUN 2008

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Author(s): Yu, Y (Yu, Yong); Trouve, A (Trouve, Alain); Chalmond, B (Chalmond, Bernard)

Book Group Author(s): IEEE

Title: A fast 3D volume reconstruction for confocal micro-rotation cell imaging

Source: BMEI 2008: PROCEEDINGS OF THE INTERNATIONAL CONFERENCE ON BIOMEDICAL ENGINEERING AND INFORMATICS, VOL 1: 775-778 2008

Conference Title: 1st International Conference on Biomedical Engineering and Informatics

Conference Date: MAY 27-30, 2008

Conference Location: Sanya, PEOPLES R CHINA

ISBN: 978-0-7695-3118-2

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Author(s): Meyer, Y (Meyer, Y.); Yang, QX (Yang, Q. X.)

Title: Continuity of Calderon-Zygmund operators on Besov or Triebel-Lizorkin spaces

Source: ANALYSIS AND APPLICATIONS, 6 (1): 51-81 JAN 2008

ISSN: 0219-5305

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Author(s): Le Meur, P (Le Meur, Patrick)

Title: On Galois coverings and tilting modules

Source: JOURNAL OF ALGEBRA, 319 (12): 4961-4999 JUN 15 2008

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DOI: 10.1016/j.jalgebra.2008.03.003

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Author(s): Sapoval, B (Sapoval, B.); Felix, S (Felix, S.); Filoche, M (Filoche, M.)

Title: Localisation and damping in resonators with complex geometry

Source: EUROPEAN PHYSICAL JOURNAL-SPECIAL TOPICS, 161: 225-232 JUL 2008

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DOI: 10.1140/epjst/e2008-00763-2

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Author(s): Jajamovich, GH (Jajamovich, Guido H.); Galarza, CG (Galarza, Cecilia G.)

Title: Multicarrier demodulation for frequency selective channels subject to narrow band interferences

Source: DIGITAL SIGNAL PROCESSING, 18 (4): 598-611 JUL 2008

ISSN: 1051-2004

DOI: 10.1016/j.dsp.2007.08.007

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Author(s): Beauchard, K (Beauchard, Karine)

Title: Local controllability of a one-dimensional beam equation

Source: SIAM JOURNAL ON CONTROL AND OPTIMIZATION, 47 (3): 1219-1273 2008

ISSN: 0363-0129

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Author(s): Filoche, M (Filoche, M.); Grebenkov, DS (Grebenkov, D. S.); Andrade, JS (Andrade, J. S., Jr.); Sapoval, B (Sapoval, B.)

Title: Passivation of irregular surfaces accessed by diffusion

Source: PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF THE UNITED STATES OF AMERICA, 105 (22): 7636-7640 JUN 3 2008

ISSN: 0027-8424

DOI: 10.1073/pnas.0706915105

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Author(s): Bernard, JML (Bernard, J. M. L.); Lyalinov, MA (Lyalinov, Mikhail A.); Zhu, NY (Zhu, Ning Yan)

Title: Analytical-numerical calculation of diffraction coefficients for a circular impedance cone

Source: IEEE TRANSACTIONS ON ANTENNAS AND PROPAGATION, 56 (6): 1616-1623 JUN 2008

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DOI: 10.1109/TAP.2008.923349

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Author(s): Chapuisat, G (Chapuisat, G.); Dronne, MA (Dronne, M. A.); Grenier, E (Grenier, E.); Hommel, M (Hommel, M.); Gilquin, H (Gilquin, H.); Boissel, JP (Boissel, J. P.)

Title: A global phenomenological model of ischemic stroke with stress on spreading depressions

Source: PROGRESS IN BIOPHYSICS & MOLECULAR BIOLOGY, 97 (1): 4-27 MAY 2008

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Author(s): Boissel, JP (Boissel, Jean-Pierre); Ribba, B (Ribba, Benjamin); Grenier, E (Grenier, Emmanuel); Chapuisat, G (Chapuisat, Guillemette); Dronne, MA (Dronne, Marie-Aimee)

Title: Modelling methodology in physiopathology

Source: PROGRESS IN BIOPHYSICS & MOLECULAR BIOLOGY, 97 (1): 28-39 MAY 2008

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Title: A modelling approach to explore some hypotheses of the failure of neuroprotective trials in ischemic stroke patients

Source: PROGRESS IN BIOPHYSICS & MOLECULAR BIOLOGY, 97 (1): 60-78 MAY 2008

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Author(s): Garcia, A (Garcia, Arnaud); Vachier, C (Vachier, Corinne); Vallee, JP (Vallee, Jean-Paul)

Editor(s): Astola, JT; Egiazarian, KO; Dougherty, ER

Title: Multivariate mathematical morphology and Bayesian classifier application to colour and medical images - art. no. 681203

Source: IMAGE PROCESSING: ALGORITHMS AND SYSTEMS VI, 6812: 81203-81203 2008

Book series title: Proceedings of SPIE-IS&T Electronic Imaging

Conference Title: Conference on Image Processing - Algorithms and Systems VI

Conference Date: JAN 28-29, 2008

Conference Location: San Jose, CA

ISBN: 978-0-8194-6984-7

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Author(s): Desvillettes, L (Desvillettes, Laurent); Golse, F (Golse, Francois); Ricci, V (Ricci, Valeria)

Title: The mean-field limit for solid particles in a Navier-Stokes flow

Source: JOURNAL OF STATISTICAL PHYSICS, 131 (5): 941-967 JUN 2008

ISSN: 0022-4715

DOI: 10.1007/s10955-009-9521-3

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Author(s): Nikolova, M (Nikolova, Mila)

Title: Analytical bounds on the minimizers of (nonconvex) regularized least-squares

Source: INVERSE PROBLEMS AND IMAGING, 2 (1): 133-149 FEB 2008

ISSN: 1930-8337

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Author(s): Cai, JF (Cai, Jian-Feng); Chan, RH (Chan, Raymond H.); Nikolova, M (Nikolova, Mila)

Title: Two-phase approach for deblurring images corrupted by impulse plus Gaussian noise

Source: INVERSE PROBLEMS AND IMAGING, 2 (2): 187-204 MAY 2008

ISSN: 1930-8337

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Author(s): Bottin, F (Bottin, Francois); Leroux, S (Leroux, Stephane); Knyazev, A (Knyazev, Andrew); Zerah, G (Zerah, Gilles)

Title: Large-scale ab initio calculations based on three levels of parallelization

Source: COMPUTATIONAL MATERIALS SCIENCE, 42 (2): 329-336 APR 2008

ISSN: 0927-0256

DOI: 10.1016/j.commatsci.2007.07.019

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Author(s): Bernot, M (Bernot, Marc); Caselles, V (Caselles, Vicent); Morel, JM (Morel, Jean-Michel)

Title: The structure of branched transportation networks

Source: CALCULUS OF VARIATIONS AND PARTIAL DIFFERENTIAL EQUATIONS, 32 (3): 279-317 JUL 2008

ISSN: 0944-2669

DOI: 10.1007/s00526-007-0139-0

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Author(s): Clemencon, S (Clemencon, Stephan); Lugosi, G (Lugosi, Gabor); Vayatis, N (Vayatis, Nicolas)

Title: Ranking and empirical minimization of U-statistics

Source: ANNALS OF STATISTICS, 36 (2): 844-874 APR 2008

ISSN: 0090-5364

DOI: 10.1214/009052607000000910

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Author(s): Vandenbergert, M (Vandenbergert, Mathias); Li-Thiao-Te, S (Li-Thiao-Te, Sebastien); Kaltenbach, HM (Kaltenbach, Hans-Michael); Zhang, RX (Zhang, Runxuan); Aittokallio, T (Aittokallio, Tero); Schwikowski, B (Schwikowski, Benno)

Title: Alignment of LC-MS images, with applications to biomarker discovery and protein identification

Source: PROTEOMICS, 8 (4): 650-672 FEB 2008

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Author(s): Dias, F (Dias, F.); Dyachenko, AI (Dyachenko, A. I.); Zakharov, VE (Zakharov, V. E.)

Title: Theory of weakly damped free-surface flows: A new formulation based on potential flow solutions

Source: PHYSICS LETTERS A, 372 (8): 1297-1302 FEB 18 2008

ISSN: 0375-9601

DOI: 10.1016/j.physleta.2007.09.027

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Author(s): Binder, BJ (Binder, B. J.); Dias, F (Dias, F.); Vanden-Broeck, JM (Vanden-Broeck, J. -M.)

Title: Influence of rapid changes in a channel bottom on free-surface flows

Source: IMA JOURNAL OF APPLIED MATHEMATICS, 73 (1): 254-273 FEB 2008

ISSN: 0272-4960

DOI: 10.1093/imamat/hxm049

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Author(s): Filoche, M (Filoche, M.); Grebenkov, DS (Grebenkov, D. S.)

Title: The toposcopy, a new tool to probe the geometry of an irregular interface by measuring its transfer impedance

Source: EPL, 81 (4): Art. No. 40008 2008

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DOI: 10.1209/0295-5075/81/40008

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Author(s): Buades, A (Buades, Antoni); Coll, B (Coll, Bartomeu); Morel, JM (Morel, Jean-Michel)

Title: Nonlocal image and movie denoising

Source: INTERNATIONAL JOURNAL OF COMPUTER VISION, 76 (2): 123-139 FEB 2008

Conference Title: Conference on Computer Vision and Pattern Recognition

Conference Date: JUN 20-25, 2005

Conference Location: San Diego, CA

ISSN: 0920-5691

DOI: 10.1007/s11263-007-0052-1

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Author(s): Beauchard, K (Beauchard, Karine)

Title: Controllability of a quantum particle in a 1D variable domain

Source: ESAIM-CONTROL OPTIMISATION AND CALCULUS OF VARIATIONS, 14 (1): 105-147 JAN-MAR 2008

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Author(s): Carrillo, JA (Carrillo, J. A.); Desvillettes, L (Desvillettes, L.); Fellner, K (Fellner, K.)

Title: Exponential decay towards equilibrium for the inhomogeneous Aizenman-Bak model

Source: COMMUNICATIONS IN MATHEMATICAL PHYSICS, 278 (2): 433-451 MAR 2008

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Author(s): Mercaldo, A (Mercaldo, Anna); Mossino, J (Mossino, Jacqueline); Prignet, A (Prignet, Alain)

Title: Nonlinear reinforcement problems with right-hand side in L-1

Source: ASYMPTOTIC ANALYSIS, 56 (1): 37-59 2008

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