

**KFUPM FACULTY PUBLICATIONS REPORTED IN
SCIENCE CITATION INDEX & SOCIAL SCIENCES
CITATION INDEX
DURING THE YEAR 2007**

Record 1 of 313

Author(s): Al-Qahtani, H (Al-Qahtani, H.); Yilbas, BS (Yilbas, B. S.)

Title: Entropy generation rate during laser pulse heating: Effect of laser pulse parameters on entropy generation rate

Source: OPTICS AND LASERS IN ENGINEERING, 46 (1): 27-33 JAN 2008

Addresses: King Fahd Univ Petr & Minerals, Dhahran 31261, Saudi Arabia

Reprint Address: Yilbas, BS, King Fahd Univ Petr & Minerals, Box 1913, Dhahran 31261, Saudi Arabia.

E-mail Address: bsyilbas@kfupm.edu.sa

Subject Category: Optics

Record 2 of 313

Author(s): Kara, AH (Kara, A. H.); Mahomed, FM (Mahomed, F. M.); Qadir, A (Qadir, Asghar)

Title: Approximate symmetries and conservation laws of the geodesic equations for the Schwarzschild metric

Source: NONLINEAR DYNAMICS, 51 (1-2): 183-188 JAN 2008

Addresses: Univ Witwatersrand, Sch Computat & Appl Math, Ctr Differential Equat Continuum Mech & Applicat, ZA-2050 Johannesburg, South Africa; Natl Univ Sci & Technol, Ctr Adv Math & Phys, Rawalpindi, Pakistan; King Fahd Univ Petr & Minerals, Dept Math Sci, Dhahran 31261, Saudi Arabia; Univ Witwatersrand, Sch Math, Ctr Differential Equat Continuum Mech & Applicat, ZA-2050 Johannesburg, South Africa

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Subject Category: Engineering, Mechanical; Mechanics

Record 3 of 313

Author(s): El-Ferik, S (El-Ferik, Sami)

Title: Economic production lot-sizing for an unreliable machine under imperfect age-based maintenance policy

Source: EUROPEAN JOURNAL OF OPERATIONAL RESEARCH, 186 (1): 150-163 APR 1 2007

Addresses: King Fahd Univ Petr & Minerals, Dept Syst Engrn, Dhahran 31261, Saudi Arabia

Reprint Address: El-Ferik, S, King Fahd Univ Petr & Minerals, Dept Syst Engrn, Dhahran 31261, Saudi Arabia.

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Subject Category: Management; Operations Research & Management Science

Record 4 of 313

Author(s): Hussain, T (Hussain, T.); Gondal, MA (Gondal, M. A.)

Title: Monitoring and assessment of toxic metals in Gulf War oil spill contaminated soil using laser-induced breakdown spectroscopy

Source: ENVIRONMENTAL MONITORING AND ASSESSMENT, 136 (1-3): 391-399 JAN 2008

Addresses: King Fahd Univ Petr & Minerals, Dept Phys, Laser Res Lab, Dhahran 31261, Saudi Arabia; NUST, Inst Environm Sci & Engn, Rawalpindi, Pakistan

Reprint Address: Gondal, MA, King Fahd Univ Petr & Minerals, Dept Phys, Laser Res Lab, Box 5047, Dhahran 31261, Saudi Arabia.

E-mail Address: magondal@kfupm.edu.sa

Subject Category: Environmental Sciences

Record 5 of 313

Author(s): Hwang, JS (Hwang, Jimmy S.); Oweimreen, GA (Oweimreen, Ghassan A.)

Title: Relating static shifts in the ESR spectra of a nitroxide radical in solution to second order perturbation theory

Source: CONCEPTS IN MAGNETIC RESONANCE PART A, 30A (6): 349-357 NOV 2007

Addresses: Lane Coll, Jackson, TN 38301 USA; King Fahd Univ Petr & Minerals, Dept Chem, Dhahran 31261, Saudi Arabia

Reprint Address: Hwang, JS, Lane Coll, 545 Lane Ave, Jackson, TN 38301 USA.

Subject Category: Chemistry, Physical; Physics, Atomic, Molecular & Chemical; Radiology, Nuclear Medicine & Medical Imaging; Spectroscopy

Record 6 of 313

Author(s): Gandhidasan, P (Gandhidasan, P.); Mohandes, MA (Mohandes, Mohamed A.)

Title: Predictions of vapor pressures of aqueous desiccants for cooling applications by using artificial neural networks

Source: APPLIED THERMAL ENGINEERING, 28 (2-3): 126-135 FEB 2008

Addresses: King Fahd Univ Petr & Minerals, Dept Mech Engn, Dhahran 31261, Saudi Arabia; King Fahd Univ Petr & Minerals, Dept Elect Engn, Dhahran 31261, Saudi Arabia

Reprint Address: Gandhidasan, P, King Fahd Univ Petr & Minerals, Dept Mech Engn, Dhahran 31261, Saudi Arabia.

E-mail Address: pgandhi@kfupm.edu.sa

Subject Category: Thermodynamics; Energy & Fuels; Engineering, Mechanical; Mechanics

Record 7 of 313

Author(s): Singh, HP (Singh, H. P.); Chandra, P (Chandra, P.); Joarder, AH (Joarder, Anwar H.); Singh, S (Singh, Sarjinder)

Title: Family of estimators of mean, ratio and product of a finite population using random nonresponse

Source: TEST, 16 (3): 565-597 DEC 2007

Addresses: King Fahd Univ Petr & Minerals, Dept Math Sci, Dhahran 31261, Saudi Arabia; Vikram Univ, Sch Studies Stat, Ujjain, Madhya Pradesh, India; All India Inst Med Sci, Dept Biostat, New Delhi, India; St Cloud State Univ, Dept Stat & Comp Networking,

St Cloud, MN 56301 USA

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Subject Category: Statistics & Probability

Record 8 of 313

Author(s): Wazeer, MIM (Wazeer, Mohammed I. M.); Isab, AA (Isab, Anvarhusein A.)

Title: Solid state and solution NMR studies of some new complexes of mercury selenocyanate with imidazolidine-2-thione and its derivatives

Source: JOURNAL OF COORDINATION CHEMISTRY, 60 (22-24): 2649-2657 NOV-DEC 2007

Addresses: King Fahd Univ Petr & Minerals, Dept Chem, Dhahran 31261, Saudi Arabia

Reprint Address: Wazeer, MIM, King Fahd Univ Petr & Minerals, Dept Chem, Dhahran 31261, Saudi Arabia.

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Subject Category: Chemistry, Inorganic & Nuclear

Record 9 of 313

Author(s): Shuja, SZ (Shuja, S. Z.); Yilbas, BS (Yilbas, B. S.)

Title: Flow over rectangular porous block in a fixed width channel: influence of porosity and aspect ratio

Source: INTERNATIONAL JOURNAL OF COMPUTATIONAL FLUID DYNAMICS, 21 (7-8): 297-305 AUG-SEP 2007

Addresses: King Fahd Univ Petr & Minerals, Dept Engrg Mech, Dhahran 31261, Saudi Arabia

Reprint Address: Yilbas, BS, King Fahd Univ Petr & Minerals, Dept Engrg Mech, Dhahran 31261, Saudi Arabia.

E-mail Address: bsyilbas@kfupm.edu.sa

Subject Category: Mechanics; Physics, Fluids & Plasmas

Record 10 of 313

Author(s): Yilbas, BS (Yilbas, B. S.); BinMansoor, S (BinMansoor, S.)

Title: Entropy generation in laser heating in relation to machining

Source: HEAT AND MASS TRANSFER, 44 (3): 331-341 JAN 2008

Addresses: King Fahd Univ Petr & Minerals, ME Dept, Dhahran 31261, Saudi Arabia

Reprint Address: Yilbas, BS, King Fahd Univ Petr & Minerals, ME Dept, Dhahran 31261, Saudi Arabia.

E-mail Address: bsyilbas@kfupm.edu.sa

Subject Category: Thermodynamics; Mechanics

Record 11 of 313

Author(s): Sarfraz, M (Sarfraz, M.); Masood, A (Masood, A.)

Title: Capturing outlines of planar images using Bezier cubics

Source: COMPUTERS & GRAPHICS-UK, 31 (5): 719-729 OCT 2007

Addresses: Kuwait Univ, Dept Informat Sci, Safat 13060, Kuwait; King Fahd Univ Petr &

Minerals, Dept Informat & Comp Sci, Dhahran 31261, Saudi Arabia; Univ Engn & Technol, Dept Comp Sci & Engn, Lahore, Pakistan

Reprint Address: Sarfraz, M, Kuwait Univ, Dept Informat Sci, Safat 13060, Kuwait.

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Subject Category: Computer Science, Software Engineering

Record 12 of 313

Author(s): Rahimov, I (Rahimov, Ibrahim)

Title: On a stochastic model for continuous mass branching population

Source: MATHEMATICS AND COMPUTERS IN SIMULATION, 76 (1-3): 171-176 OCT 12 2007

Addresses: KFUPM, Dept Math Sci, Dhahran 31261, Saudi Arabia

Reprint Address: Rahimov, I, KFUPM, Dept Math Sci, Box 1339, Dhahran 31261, Saudi Arabia.

E-mail Address: rahimov@kfupm.edu.sa

Subject Category: Computer Science, Interdisciplinary Applications; Computer Science, Software Engineering; Mathematics, Applied

Record 13 of 313

Author(s): Elshahat, BA (Elshahat, B. A.); Naqvi, AA (Naqvi, A. A.); Maalej, N (Maalej, N.); Abdalla, K (Abdalla, Khalid)

Title: Design calculations of an accelerator based BSA for BNCT of brain cancer

Source: JOURNAL OF RADIOANALYTICAL AND NUCLEAR CHEMISTRY, 274 (3): 539-544 DEC 2007

Addresses: King Fahd Univ Petr & Minerals, Dept Phys, Dhahran 31261, Saudi Arabia

Reprint Address: Naqvi, AA, King Fahd Univ Petr & Minerals, Dept Phys, Dhahran 31261, Saudi Arabia.

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Subject Category: Chemistry, Analytical; Chemistry, Inorganic & Nuclear; Nuclear Science & Technology

Record 14 of 313

Author(s): Al-Homidan, S (Al-Homidan, S.)

Title: Approximate Toeplitz matrix problem using semidefinite programming

Source: JOURNAL OF OPTIMIZATION THEORY AND APPLICATIONS, 135 (3): 583-598 DEC 2007

Addresses: King Fahd Univ Petr & Minerals, Dept Math Sci, Dhahran 31261, Saudi Arabia

Reprint Address: Al-Homidan, S, King Fahd Univ Petr & Minerals, Dept Math Sci, Dhahran 31261, Saudi Arabia.

E-mail Address: homidan@kfupm.edu.sa

Subject Category: Operations Research & Management Science; Mathematics, Applied

Record 15 of 313

Author(s): Masoudi, HM (Masoudi, Husain M.)

Title: A novel nonparaxial time-domain beam-propagation method for modeling

ultrashort pulses in optical structures

Source: JOURNAL OF LIGHTWAVE TECHNOLOGY, 25 (10): 3175-3184 OCT 2007

Addresses: Univ Toronto, Dept Elect & Comp Engn, Emerging Commun Technol Inst, Toronto, ON M5S 3G4, Canada; King Fahd Univ Petr & Minerals, Dept Elect Engn, Dhahran 31261, Saudi Arabia

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Subject Category: Engineering, Electrical & Electronic; Optics

Record 16 of 313

Author(s): Shuja, SZ (Shuja, S. Z.); Yibas, BS (Yibas, B. S.); Budair, MO (Budair, M. O.)

Title: Entropy generation due to jet impingement on a surface: effect of annular nozzle outer angle

Source: INTERNATIONAL JOURNAL OF NUMERICAL METHODS FOR HEAT & FLUID FLOW, 17 (7-8): 677-691 2007

Addresses: KFUPM, ME Dept, Dhahran, Saudi Arabia

Reprint Address: Yibas, BS, KFUPM, ME Dept, Dhahran, Saudi Arabia.

E-mail Address: bsyilbas@kfupm.edu.sa

Subject Category: Thermodynamics; Mathematics, Interdisciplinary Applications; Mechanics

Record 17 of 313

Author(s): Qadir, A (Qadir, Asghar); Siddiqui, AA (Siddiqui, Azad A.)

Title: Similarities between classical time-like geodesics in a naked Reissner-Nordstrom singularity background and the behavior of electrons in quantum theory

Source: INTERNATIONAL JOURNAL OF MODERN PHYSICS D, 16 (1): 25-33 JAN 2007

Addresses: Natl Univ Sci & Technol, Ctr Adv Math & Phys, Rawalpindi, Pakistan; King Fahd Univ Petr & Minerals, Dept Math Sci, Dhahran 31261, Saudi Arabia; Natl Univ Sci & Technol, EME Coll, Dept Basic Sci & Humanities, Rawalpindi, Pakistan

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Subject Category: Astronomy & Astrophysics

Record 18 of 313

Author(s): Issac, B (Issac, Biju); Mohammed, LA (Mohammed, Lawan A.)

Title: War driving and WLAN security issues-attacks, security design and remedies

Source: INFORMATION SYSTEMS MANAGEMENT, 24 (4): 289-298 FAL 2007

Addresses: Swinburne Univ Technol, Kuching 93576, Sarawak, Malaysia; King Fahd Univ Petr & Minerals, Dhahran, Saudi Arabia

Reprint Address: Issac, B, Swinburne Univ Technol, Sarawak Campus Level 1, Kompleks Negeri Jalan, Kuching 93576, Sarawak, Malaysia.

E-mail Address: bissak@swinburne.edu.my

Subject Category: Computer Science, Information Systems

Record 19 of 313

Author(s): Al-Yamani, AA (Al-Yamani, Ahmad A.); Ramsundar, S (Ramsundar, Sundarkumar); Pradhan, DK (Pradhan, Dhiraj K.)

Title: A defect tolerance scheme for nanotechnology circuits

Source: IEEE TRANSACTIONS ON CIRCUITS AND SYSTEMS I-REGULAR PAPERS, 54 (11): 2402-2409 NOV 2007

Addresses: King Fahd Univ Petr & Minerals, Dept Comp Engn, Dhahran 31261, Saudi Arabia; Univ Bristol, Dept Comp Sci, Bristol BS8 1UB, Avon, England

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Subject Category: Engineering, Electrical & Electronic

Record 20 of 313

Author(s): Habib, MA (Habib, M. A.); Elshafei, M (Elshafei, M.); Dajani, M (Dajani, M.)

Title: Influence of combustion parameters on NO_x production in an industrial boiler

Source: COMPUTERS & FLUIDS, 37 (1): 12-23 JAN 2008

Addresses: King Fahd Univ Petr & Minerals, Dept Mech Engn, Dhahran 31261, Saudi Arabia; King Fahd Univ Petr & Minerals, Dept Syst Engn, Dhahran 31261, Saudi Arabia

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E-mail Address: mahabib@kfupm.edu.sa

Subject Category: Computer Science, Interdisciplinary Applications; Mechanics

Record 21 of 313

Author(s): Nasser, I (Nasser, I.); Abdelmonem, MS (Abdelmonem, M. S.); Bahlouli, H (Bahlouli, H.); Alhaidari, AD (Alhaidari, A. D.)

Title: The rotating Morse potential model for diatomic molecules in the tridiagonal J-matrix representation: I. Bound states

Source: JOURNAL OF PHYSICS B-ATOMIC MOLECULAR AND OPTICAL PHYSICS, 40 (21): 4245-4257 NOV 14 2007

Addresses: King Fahd Univ Petr & Minerals, Dept Phys, Dhahran 31261, Saudi Arabia; Shura Council, Riyadh 11212, Saudi Arabia

Reprint Address: Nasser, I, King Fahd Univ Petr & Minerals, Dept Phys, Dhahran 31261, Saudi Arabia.

Subject Category: Optics; Physics, Atomic, Molecular & Chemical

Record 22 of 313

Author(s): Taha-Al, ZY (Taha-Al, Z. Y.); Hashmi, MS (Hashmi, M. S.); Yilbas, BS (Yilbas, B. S.)

Title: Laser treatment of HVOF coating: model study and characterization

Source: JOURNAL OF MECHANICAL SCIENCE AND TECHNOLOGY, 21 (10): 1439-1444 OCT 2007

Addresses: KFUPM, Dept Mech Engn, Dhahran, Saudi Arabia; DCU, Sch Mech & Mfg Engn, Dublin, Ireland

Reprint Address: Yilbas, BS, KFUPM, Dept Mech Engn, Dhahran, Saudi Arabia.

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Subject Category: Engineering, Mechanical

Record 23 of 313

Author(s): Ben-Daya, M (Ben-Daya, M.); Darwish, M (Darwish, M.); Ertogral, K (Ertogral, K.)

Title: The joint economic lot sizing problem: Review and extensions

Source: EUROPEAN JOURNAL OF OPERATIONAL RESEARCH, 185 (2): 726-742 MAR 1 2008

Addresses: King Fahd Univ Petr & Minerals, Dept Syst Engr, Dhahran 31261, Saudi Arabia

Reprint Address: Ben-Daya, M, King Fahd Univ Petr & Minerals, Dept Syst Engr, Dhahran 31261, Saudi Arabia.

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Subject Category: Management; Operations Research & Management Science

Record 24 of 313

Author(s): Gondal, MA (Gondal, M. A.); Yamani, ZH (Yamani, Z. H.)

Title: Highly sensitive electronically modulated photoacoustic spectrometer for ozone detection

Source: APPLIED OPTICS, 46 (29): 7083-7090 OCT 10 2007

Addresses: King Fahd Univ Petr & Minerals, Dept Phys, Laser Res Lab, Dhahran 31261, Saudi Arabia

Reprint Address: Gondal, MA, King Fahd Univ Petr & Minerals, Dept Phys, Laser Res Lab, Box 372, Dhahran 31261, Saudi Arabia.

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Subject Category: Optics

Record 25 of 313

Author(s): Challal, S (Challal, Samia); Lyaghfour, A (Lyaghfour, Abdeslem)

Title: On the continuity of the free boundary in the problem $\Delta(p)u = -(h(x,y)x(u))(x)$

Source: APPLICABLE ANALYSIS, 86 (9): 1177-1184 2007

Addresses: King Fahd Univ Petr & Minerals, Dhahran 31261, Saudi Arabia

Reprint Address: Lyaghfour, A, King Fahd Univ Petr & Minerals, POB 728, Dhahran 31261, Saudi Arabia.

E-mail Address: lyaghfo@kfupm.edu.sa

Subject Category: Mathematics, Applied

Record 26 of 313

Author(s): Badawi, HM (Badawi, H. M.); Al-Khaldi, MAA (Al-Khaldi, M. A. A.); Al-Abbad, SSA (Al-Abbad, S. S. A.); Al-Sunaidi, ZHA (Al-Sunaidi, Z. H. A.)

Title: Rotational barriers in monomeric $\text{CH}_2 = \text{CX-COOH}$ and $\text{CH}_2 = \text{CX-CONH}_2$ (X is H or CH_3) and vibrational analysis of methacrylic acid and methacrylamide

Source: SPECTROCHIMICA ACTA PART A-MOLECULAR AND BIOMOLECULAR SPECTROSCOPY, 68 (3): 432-442 NOV 2007

Addresses: King Fahd Univ Petr & Minerals, Dept Chem, Dhahran 31261, Saudi Arabia

Reprint Address: Badawi, HM, King Fahd Univ Petr & Minerals, Dept Chem, Dhahran

31261, Saudi Arabia.

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Subject Category: Spectroscopy

Record 27 of 313

Author(s): Kirane, M (Kirane, M.); Tatar, N (Tatar, N.)

Title: Nonexistence for the Laplace equation with a dynamical boundary condition of fractional type

Source: SIBERIAN MATHEMATICAL JOURNAL, 48 (5): 849-856 SEP-OCT 2007

Addresses: Univ La Rochelle, La Rochelle, France; King Fahd Univ Petr & Minerals, Dhahran 31261, Saudi Arabia

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Subject Category: Mathematics

Record 28 of 313

Author(s): Ali, SA (Ali, S. A.)

Title: Thermodynamic aspects of aromatic hydrogenation

Source: PETROLEUM SCIENCE AND TECHNOLOGY, 25 (10): 1293-1304 2007

Addresses: King Fahd Univ Petr & Minerals, Inst Res, Ctr Refining & Petrochem, Dhahran 31261, Saudi Arabia

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Subject Category: Energy & Fuels; Engineering, Chemical; Engineering, Petroleum

Record 29 of 313

Author(s): Ali, MA (Ali, M. A.); Ali, SA (Ali, S. A.); Siddiqui, MAB (Siddiqui, M. A. B.)

Title: An appraisal of hydrocarbons conversion reactions during naphtha reforming process

Source: PETROLEUM SCIENCE AND TECHNOLOGY, 25 (10): 1321-1331 2007

Addresses: King Fahd Univ Petr & Minerals, Res Inst, Ctr Refining Petrochem, Dhahran 31261, Saudi Arabia

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Subject Category: Energy & Fuels; Engineering, Chemical; Engineering, Petroleum

Record 30 of 313

Author(s): Ali, MA (Ali, M. A.)

Title: Comparative evaluation of nanoporous hydrocracking catalysts in fixed-bed and swing-batch reaction systems

Source: PETROLEUM SCIENCE AND TECHNOLOGY, 25 (10): 1333-1345 2007

Addresses: King Fahd Univ Petr & Minerals, Res Inst, Ctr Refining & Petrochem, Dhahran 31261, Saudi Arabia

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Subject Category: Energy & Fuels; Engineering, Chemical; Engineering, Petroleum

Record 31 of 313

Author(s): Khan, AR (Khan, A. R.); Domilo, AA (Domilo, A. A.); Hussain, N (Hussain, N.)

Title: Coincidences of Lipschitz-type hybrid maps and invariant approximation

Source: NUMERICAL FUNCTIONAL ANALYSIS AND OPTIMIZATION, 28 (9-10): 1165-1177 2007

Addresses: King Fahd Univ Petr & Minerals, Dept Math Sci, Dhahran 31261, Saudi Arabia; Taibah Univ, Dept Math, Madinah Munawarah, Saudi Arabia; King Abdul Aziz Univ, Fac Sci, Dept Math, Jeddah, Saudi Arabia

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Subject Category: Mathematics, Applied

Record 32 of 313

Author(s): Yilbas, BS (Yilbas, B. S.); Arif, AFM (Arif, A. F. M.)

Title: Laser shock processing of aluminium: model and experimental study

Source: JOURNAL OF PHYSICS D-APPLIED PHYSICS, 40 (21): 6740-6747 NOV 7 2007

Addresses: King Fahd Univ Petr & Minerals, Dept Mech Engr, Dhahran 31261, Saudi Arabia

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Subject Category: Physics, Applied

Record 33 of 313

Author(s): Al-Muntasheri, GA (Al-Muntasheri, Ghaithan A.); Nasr-Ei-Din, HA (Nasr-Ei-Din, Hisham A.); Hussein, IA (Hussein, Ibelwaleed A.)

Title: A rheological investigation of a high temperature organic gel used for water shut-off treatments

Source: JOURNAL OF PETROLEUM SCIENCE AND ENGINEERING, 59 (1-2): 73-83 OCT 2007

Addresses: EXPEC ARC, Dhahran 31311, Saudi Arabia; King Fahd Univ Petr & Minerals, Dhahran 31261, Saudi Arabia

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Subject Category: Engineering, Petroleum; Geosciences, Multidisciplinary

Record 34 of 313

Author(s): Yilbas, BS (Yilbas, B. S.); Al-Sulaiman, F (Al-Sulaiman, F.); Karakas, C (Karakas, C.); Ahsan, M (Ahsan, M.)

Title: Laser cutting of multilayered Kevlar plates

Source: JOURNAL OF MATERIALS ENGINEERING AND PERFORMANCE, 16 (6): 663-671 DEC 2007

Addresses: King Fahd Univ Petr & Minerals, ME Dept, Dhahran 31261, Saudi Arabia; Hacettepe Univ, Fac Engrn, Ankara, Turkey

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Subject Category: Materials Science, Multidisciplinary

Record 35 of 313

Author(s): Shuia, SZ (Shuia, S. Z.); Yilbas, BS (Yilbas, B. S.); Budair, MO (Budair, M. O.)

Title: Jet impingement on cylindrical cavity: Conical nozzle considerations

Source: JOURNAL OF FLUIDS AND STRUCTURES, 23 (7): 1106-1118 OCT 2007

Addresses: King Fahd Univ Petr & Minerals, ME Dept, Dhahran 31261, Saudi Arabia

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E-mail Address: bsyilbas@kfupm.edu.sa

Subject Category: Engineering, Mechanical; Mechanics

Record 36 of 313

Author(s): Atiqullah, M (Atiqullah, M.); Moman, AA (Moman, A. A.); Akhtar, MN (Akhtar, M. N.); Al-Muallem, HA (Al-Muallem, H. A.); Abu-Raqabah, AH (Abu-Raqabah, A. H.); Ahmed, N (Ahmed, Neaz)

Title: Supported SiO₂-(BuSnCl₃)-Bu-n/MAO/((BuCp)-Bu-n)₂ZrCl₂ catalyzing MAO cocatalyst-free ethylene polymerization: Study of hydrogen responsiveness

Source: JOURNAL OF APPLIED POLYMER SCIENCE, 106 (5): 3149-3157 DEC 5 2007

Addresses: King Fahd Univ Petr & Minerals, Res Inst, Ctr Refining & Petrchem, Dhahran 31261, Saudi Arabia; Saudi Basic Ind Corp, R & T Ctr, Riyadh 11551, Saudi Arabia; King Fahd Univ Petr & Minerals, Dept Chem, Dhahran 31261, Saudi Arabia

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Subject Category: Polymer Science

Record 37 of 313

Author(s): Bokhari, AH (Bokhari, Ashfaque H.); Kara, AH (Kara, A. H.); Kashif, AR (Kashif, A. R.); Zaman, FD (Zaman, F. D.)

Title: On the symmetry structures of the minkowski metric and a Weyl re-scaled metric

Source: INTERNATIONAL JOURNAL OF THEORETICAL PHYSICS, 46 (11): 2795-2800 NOV 2007

Addresses: Univ Witwatersrand, Sch Math, ZA-2050 Wits, South Africa; Univ Witwatersrand, Ctr Differential Equat, ZA-2050 Wits, South Africa; King Fahd Univ Petr & Minerals, Dept Math Sci, Dhahran 31261, Saudi Arabia; Natl Univ Sci & Technol, Dept Math, Rawalphindi, Pakistan

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Subject Category: Physics, Multidisciplinary

Record 38 of 313

Author(s): Gondal, MA (Gondal, M. A.); Sayeed, MN (Sayeed, M. N.); Alarfaj, A (Alarfaj, A.)

Title: Activity comparison of Fe₂O₃, NiO, WO₃, TiO₂ semiconductor catalysts in phenol degradation by laser enhanced photo-catalytic process

Source: CHEMICAL PHYSICS LETTERS, 445 (4-6): 325-330 SEP 13 2007

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Subject Category: Chemistry, Physical; Physics, Atomic, Molecular & Chemical

Record 39 of 313

Author(s): Sahin, AZ (Sahin, Ahmet Z.)

Title: Closure to "Discussion of 'Second law analysis of laminar viscous flow through a duct subjected to onstant wall temperature'" (2007, ASME J. heat transfer, 129, p. 1302)

Source: JOURNAL OF HEAT TRANSFER-TRANSACTIONS OF THE ASME, 129 (9): 1303-1303 SEP 2007

Addresses: King Fahd Univ Petr & Minerals, Dept Mech Engn, Dhahran 31261, Saudi Arabia

Reprint Address: Sahin, AZ, King Fahd Univ Petr & Minerals, Dept Mech Engn, Dhahran 31261, Saudi Arabia.

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Subject Category: Thermodynamics; Engineering, Mechanical

Record 40 of 313

Author(s): Abokhodair, AA (Abokhodair, Abdulwahab A.)

Title: Numerical tools for geoscience computations: Semiautomatic differentiation-SD

Source: COMPUTATIONAL GEOSCIENCES, 11 (4): 283-296 DEC 2007

Addresses: King Fahd Univ Petr & Minerals, Dept Earth Sci, Dhahran 31261, Saudi Arabia

Reprint Address: Abokhodair, AA, King Fahd Univ Petr & Minerals, Dept Earth Sci, Dhahran 31261, Saudi Arabia.

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Subject Category: Computer Science, Interdisciplinary Applications; Geosciences, Multidisciplinary

Record 41 of 313

Author(s): Sadi, MA (Sadi, Muhammad Asad); Henderson, JC (Henderson, Joan C.)

Title: In search of greener pastures - A1-Marai and dairy food business in Saudi Arabia

Source: BRITISH FOOD JOURNAL, 109 (8): 637-647 2007

Addresses: King Fahd Univ Petr & Minerals, Coll Ind Management, Dept Management & Marketing, Dhahran, Saudi Arabia; Nanyang Technol Univ, Nanyang Business Sch, Dept Marketing & Int Business, Singapore, Singapore

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Subject Category: Food Science & Technology

Record 42 of 313

Author(s): Ben-Daya, M (Ben-Daya, M.); Noman, SM (Noman, S. M.)

Title: Integrated inventory and inspection policies for stochastic demand

Source: EUROPEAN JOURNAL OF OPERATIONAL RESEARCH, 185 (1): 159-169 FEB 16 2008

Addresses: King Fahd Univ Petr & Minerals, Dept Syst Engr, Dhahran 31261, Saudi Arabia

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Subject Category: Management; Operations Research & Management Science

Record 43 of 313

Author(s): Al-Harathi, M (Al-Harathi, Mamdouh); Soares, JBP (Soares, Joao B. P.); Simon, LC (Simon, Leonardo C.)

Title: Mathematical modeling of atom-transfer radical copolymerization

Source: MACROMOLECULAR REACTION ENGINEERING, 1 (4): 468-479 JUL 5 2007

Addresses: Univ Waterloo, Dept Chem Engr, Waterloo, ON N2L 3G1, Canada; King Fahd Univ Petr & Minerals, Dept Chem Engr, Dhahran 31261, Saudi Arabia

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Record 44 of 313

Author(s): Al-Nassar, YN (Al-Nassar, Y. N.); Kalyon, M (Kalyon, M.); Pakdemirli, A (Pakdemirli, A.); Al-Bedoor, BO (Al-Bedoor, B. O.)

Title: Stability analysis of rotating blade vibration due to torsional excitation

Source: JOURNAL OF VIBRATION AND CONTROL, 13 (9-10): 1379-1391 SEP-OCT 2007

Addresses: King Fahd Univ Petr & Minerals, Dept Engr Mech, Dhahran 31261, Saudi Arabia; Gebze Inst Technol, Dept Energy Syst Engr, Gebze, Turkey; Celal Bayar Univ, Dept Mech Engr, TR-45140 Manisa, Turkey; Univ Jordan, Dept Mech Engr, Amman 11942, Jordan

Reprint Address: Al-Nassar, YN, King Fahd Univ Petr & Minerals, Dept Engr Mech, Dhahran 31261, Saudi Arabia.

E-mail Address: mpak@bayar.edu.tr

Subject Category: Acoustics; Engineering, Mechanical; Mechanics

Record 45 of 313

Author(s): Abdelmonem, MS (Abdelmonem, M. S.); Naqvi, AA (Naqvi, A. A.); Al-Ghamdi, H (Al-Ghamdi, Hanan); Al-Misned, G (Al-Misned, Ghada)

Title: Performance comparison of 2.8 MeV and Am-241-Be neutrons based moisture measurement setups

Source: JOURNAL OF RADIOANALYTICAL AND NUCLEAR CHEMISTRY, 274 (1): 131-137 OCT 2007

Addresses: King Fahd Univ Petr & Minerals, Dept Phys, Dhahran 31261, Saudi Arabia; Riyadh Girls Coll, Girls Educ Coll, Riyadh, Saudi Arabia

Reprint Address: Abdelmonem, MS, King Fahd Univ Petr & Minerals, Dept Phys, Dhahran 31261, Saudi Arabia.

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Subject Category: Chemistry, Analytical; Chemistry, Inorganic & Nuclear; Nuclear Science & Technology

Record 46 of 313

Author(s): Al-Yamani, AA (Al-Yamani, A. A.)

Title: Energy-delay efficient test

Source: IET COMPUTERS AND DIGITAL TECHNIQUES, 1 (5): 653-658 SEP 2007

Addresses: King Fahd Univ Petr & Minerals, Dept Comp Engr, Dhahran 31261, Saudi Arabia

Reprint Address: Al-Yamani, AA, King Fahd Univ Petr & Minerals, Dept Comp Engr, Dhahran 31261, Saudi Arabia.

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Subject Category: Computer Science, Hardware & Architecture; Computer Science, Theory & Methods

Record 47 of 313

Author(s): Boucherif, A (Boucherif, Abdelkader); Precup, R (Precup, Radu)

Title: Semilinear evolution equations with nonlocal initial conditions

Source: DYNAMIC SYSTEMS AND APPLICATIONS, 16 (3): 507-516 SEP 2007

Addresses: King Fahd Univ Petr & Minerals, Dept Math Sci, Dhahran 31261, Saudi Arabia; Univ Babes Bolyai, Dept Appl Math, Cluj Napoca 400084, Romania

Reprint Address: Boucherif, A, King Fahd Univ Petr & Minerals, Dept Math Sci, Dhahran 31261, Saudi Arabia.

Subject Category: Mathematics, Applied; Mathematics

Record 48 of 313

Author(s): Sheikh, W (Sheikh, Waseem); Shafiq, B (Shafiq, Basit); Baqai, S (Baqai, Shahab); Paul, RA (Paul, Raymond A.); Khan, MF (Khan, M. Farrukh); Ghafoor, H (Ghafoor, Halima)

Title: A QoS framework for multimedia applications in mobile ad hoc networks

Source: COMPUTER SYSTEMS SCIENCE AND ENGINEERING, 22 (3): 165-173 MAY 2007

Addresses: Purdue Univ, Sch Elect & Comp Engr, W Lafayette, IN 47907 USA; Lahore Univ Management Sci, Dept Comp Sci, Lahore, Pakistan; US Dept Def, OASD Pentagon C31, Washington, DC 20305 USA; King Fahd Univ Petr & Minerals, Dept Comp Engr, Dhahran, Saudi Arabia

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Subject Category: Computer Science, Hardware & Architecture; Computer Science, Theory & Methods

Record 49 of 313

Author(s): Al-Khattaf, S (Al-Khattaf, S.)

Title: Enhancing p-xylene selectivity during m-xylene transformation using mildly pre-coked ZSM-5 catalyst

Source: CHEMICAL ENGINEERING AND PROCESSING, 46 (10): 964-974 OCT 2007

Addresses: King Fahd Univ Petr & Minerals, Dept Chem Engr, Dhahran 31261, Saudi Arabia

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E-mail Address: skhattaf@kfupm.edu.sa

Subject Category: Energy & Fuels; Engineering, Chemical

Record 50 of 313

Author(s): Saif, AWA (Saif, Abdul-Wahid A.)

Title: Strong stabilization of MIMO systems: A projection approach

Source: ASIAN JOURNAL OF CONTROL, 9 (3): 372-376 SEP 2007

Addresses: King Fahd Univ Petr & Minerals, Dhahran 31261, U Arab Emirates

Reprint Address: Saif, AWA, King Fahd Univ Petr & Minerals, POBox 1626, Dhahran 31261, U Arab Emirates.

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Subject Category: Automation & Control Systems

Record 51 of 313

Author(s): Mustapha, H (Mustapha, Hussein); Mustapha, K (Mustapha, Kassem)

Title: A new approach to simulating flow in discrete fracture networks with an optimized mesh

Source: SIAM JOURNAL ON SCIENTIFIC COMPUTING, 29 (4): 1439-1459 2007

Addresses: Reservoir Engr Res Inst, Palo Alto, CA 94306 USA; King Fahd Univ Petr & Minerals, Dept Math Sci, Dhahran 31261, Saudi Arabia

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Subject Category: Mathematics, Applied

Record 52 of 313

Author(s): Al-Amoudi, OSB (Al-Amoudi, O. S. B.); Maslehuddin, M (Maslehuddin, M.); Shameem, M (Shameem, M.); Ibrahim, M (Ibrahim, M.)

Title: Shrinkage of plain and silica fume cement concrete under hot weather

Source: CEMENT & CONCRETE COMPOSITES, 29 (9): 690-699 OCT 2007

Addresses: King Fahd Univ Petr & Minerals, Dhahran 31261, Saudi Arabia

Reprint Address: Maslehuddin, M, King Fahd Univ Petr & Minerals, Dhahran 31261, Saudi Arabia.

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Subject Category: Construction & Building Technology; Materials Science, Composites

Record 53 of 313

Author(s): Laradji, A (Laradji, A.); Umar, A (Umar, A.)

Title: Combinatorial results for the symmetric inverse semigroup

Source: SEMIGROUP FORUM, 75 (1): 221-236 JUL-AUG 2007

Addresses: King Fahd Univ Petr & Minerals, Dept Math Sci, Dhahran 31261, Saudi Arabia

Reprint Address: Laradji, A, King Fahd Univ Petr & Minerals, Dept Math Sci, Dhahran 31261, Saudi Arabia.

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Subject Category: Mathematics

Record 54 of 313

Author(s): Ashraf, W (Ashraf, W.); Bukhari, A (Bukhari, A.)

Title: Separation of organic species from wastewater using a polyol supported liquid membrane

Source: POLISH JOURNAL OF CHEMISTRY, 81 (9): 1621-1628 SEP 2007

Addresses: King Fahd Univ Petr & Minerals, Dept Chem, Dhahran 31261, Saudi Arabia; King Fahd Univ Petr & Minerals, Res Inst, Ctr Environm & Water, Dhahran 31261, Saudi Arabia

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Subject Category: Chemistry, Multidisciplinary

Record 55 of 313

Author(s): Tukur, NM (Tukur, Nasir M.); Al-Khattaf, S (Al-Khattaf, Sulaiman)

Title: Catalytic transformation of 1,3,5-trimethylbenzene over a USY zeolite catalyst

Source: ENERGY & FUELS, 21 (5): 2499-2508 SEP-OCT 2007

Addresses: King Fahd Univ Petr & Minerals, Dept Chem Engr, Dhahran 31261, Saudi Arabia

Reprint Address: Al-Khattaf, S, King Fahd Univ Petr & Minerals, Dept Chem Engr, Dhahran 31261, Saudi Arabia.

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Subject Category: Energy & Fuels; Engineering, Chemical

Record 56 of 313

Author(s): Abuelma'atti, MT (Abuelma'atti, Muhammad Taller)

Title: Large signal performance of micromachined silicon inductive microphones

Source: APPLIED ACOUSTICS, 68 (10): 1286-1296 OCT 2007

Addresses: King Fahd Univ Petr & Minerals, Dept Elect Engr, Dhahran 31261, Saudi Arabia

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Subject Category: Acoustics

Record 57 of 313

Author(s): Al-Harathi, M (Al-Harathi, Mamdouh); Loughlin, K (Loughlin, Kevin); Kahraman, R (Kahraman, Ramazan)

Title: Moisture diffusion into epoxy adhesive: testing and modeling

Source: ADSORPTION-JOURNAL OF THE INTERNATIONAL ADSORPTION SOCIETY, 13 (2): 115-120 APR 2007

Addresses: King Fahd Univ Petr & Minerals, Dept Chem Engn, Dhahran 31261, Saudi Arabia; Amer Univ Sharjah, Dept Chem Engn, Sharjah, U Arab Emirates

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Subject Category: Chemistry, Physical; Engineering, Chemical

Record 58 of 313

Author(s): Aiban, SA (Aiban, Saad A.); Aurifullah, V (Aurifullah, Vantala)

Title: Effect of gravel size, type, and mold size on the carrying capacity of calcareous fines-gravel mixes

Source: JOURNAL OF MATERIALS IN CIVIL ENGINEERING, 19 (10): 834-847 OCT 2007

Addresses: King Fahd Univ Petr & Minerals, Dept Civil Engn, Dhahran 31261, Saudi Arabia; King Fahd Univ Petr & Minerals, Director Counseling & Advising Ctr, Dhahran 31261, Saudi Arabia; King Fahd Univ Petr & Minerals, Ctr Petr & Mineral, Inst Res, Dhahran 31261, Saudi Arabia

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Subject Category: Construction & Building Technology; Engineering, Civil; Materials Science, Multidisciplinary

Record 59 of 313

Author(s): Kahraman, R (Kahraman, Ramazan); Abu-Sharkh, BF (Abu-Sharkh, Basel F.)

Title: Moisture diffusion into palm/polypropylene composites in sodium chloride solutions

Source: JOURNAL OF APPLIED POLYMER SCIENCE, 106 (4): 2575-2579 NOV 15 2007

Addresses: King Fahd Univ Petr & Minerals, Dept Chem Engn, Dhahran 31261, Saudi Arabia

Reprint Address: Kahraman, R, King Fahd Univ Petr & Minerals, Dept Chem Engn, Dhahran 31261, Saudi Arabia.

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Subject Category: Polymer Science

Record 60 of 313

Author(s): Saeed, F (Saeed, Farooq); Al-Garni, AZ (Al-Garni, Ahmad Z.)

Title: Analysis method for inertial particle separator

Source: JOURNAL OF AIRCRAFT, 44 (4): 1150-1158 JUL-AUG 2007

Addresses: King Fahd Univ Petr & Minerals, Dhahran 31261, Saudi Arabia

Reprint Address: Saeed, F, King Fahd Univ Petr & Minerals, Dhahran 31261, Saudi Arabia.

Subject Category: Engineering, Aerospace

Record 61 of 313

Author(s): Isab, AA (Isab, Anvarhusein A.); Wazeer, MIM (Wazeer, Mohamed I. M.); Fettouhi, M (Fettouhi, Mohammed); Al-Maythalony, BA (Al-Maythalony, Bassem A.); Al-

Arfaj, AR (Al-Arfaj, Abdul Rahman); Al-Zamil, NO (Al-Zamil, Norah O.)

Title: Solid state and solution NMR, X-ray and antimicrobial studies of 1 : 1 and 2 : 1 complexes of silver(I) cyanide with alkanediamine ligands

Source: INORGANICA CHIMICA ACTA, 360 (12): 3719-3726 SEP 1 2007

Addresses: King Fahd Univ Petr & Minerals, Dept Chem, Dhahran 31261, Saudi Arabia; Girls Coll, Dept Chem, Dammam, Saudi Arabia

Reprint Address: Isab, AA, King Fahd Univ Petr & Minerals, Dept Chem, Dhahran 31261, Saudi Arabia.

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Subject Category: Chemistry, Inorganic & Nuclear

Record 62 of 313

Author(s): Al-Dulaijan, SU (Al-Dulaijan, S. U.); Macphee, DE (Macphee, D. E.); Maslehuddin, M (Maslehuddin, M.); Al-Zahrani, MM (Al-Zahrani, M. M.); Ali, MR (Ali, M. R.)

Title: Performance of plain and blended cements exposed to high sulphate concentrations

Source: ADVANCES IN CEMENT RESEARCH, 19 (4): 167-175 OCT 2007

Addresses: King Fahd Univ Petr & Minerals, Dept Civil Engr, Dhahran 31261, Saudi Arabia; Univ Aberdeen, Dept Chem, Aberdeen, Scotland; King Fahd Univ Petr & Minerals, Res Inst, Dhahran 31261, Saudi Arabia

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Subject Category: Construction & Building Technology; Materials Science, Multidisciplinary

Record 63 of 313

Author(s): Al-Zahrani, MM (Al-Zahrani, M. M.)

Title: Performance of plain and blended cements exposed to varying concentrations of sodium sulphate

Source: ADVANCES IN CEMENT RESEARCH, 19 (4): 177-184 OCT 2007

Addresses: King Fahd Univ Petr & Minerals, Dept Civil Engr, Dhahran 31261, Saudi Arabia

Reprint Address: Al-Zahrani, MM, King Fahd Univ Petr & Minerals, Dept Civil Engr, Dhahran 31261, Saudi Arabia.

Subject Category: Construction & Building Technology; Materials Science, Multidisciplinary

Record 64 of 313

Author(s): Al-Hashim, HS (Al-Hashim, H. S.); Al-Yousef, HY (Al-Yousef, H. Y.); Arshad, A (Arshad, A.); Jilani, SZ (Jilani, S. Z.); ur-Rahman, S (S.-ur-Rahman); Habreeh, A (Habreeh, A.); Nofal, W (Nofal, W.)

Title: Application of x-ray scanner in measurement of gas condensate relative permeability using steady-state method

Source: PETROLEUM SCIENCE AND TECHNOLOGY, 25 (8): 1081-1097 2007

Addresses: King Fahd Univ Petr & Minerals, Dhahran 31261, Saudi Arabia

Reprint Address: Al-Hashim, HS, King Fahd Univ Petr & Minerals, Dhahran 31261, Saudi Arabia.

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Subject Category: Energy & Fuels; Engineering, Chemical; Engineering, Petroleum

Record 65 of 313

Author(s): Yilbas, BS (Yilbas, Bekir Sami)

Title: Laser short-pulse heating of silver-chromium assembly: Improved formulation of electron kinetic theory approach

Source: NUMERICAL HEAT TRANSFER PART A-APPLICATIONS, 52 (6): 565-589 2007

Addresses: King Fahd Univ Petr & Minerals, Dept Mech Engr, Dhahran 31261, Saudi Arabia

Reprint Address: Yilbas, BS, King Fahd Univ Petr & Minerals, Dept Mech Engr, PO Box 1913, Dhahran 31261, Saudi Arabia.

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Subject Category: Thermodynamics; Mechanics

Record 66 of 313

Author(s): Lin, LJ (Lin, Lai-Jiu); Chen, LF (Chen, Li-Fang); Ansari, QH (Ansari, Qamrul Hasan)

Title: Generalized abstract economy and systems of generalized vector quasi-equilibrium problems

Source: JOURNAL OF COMPUTATIONAL AND APPLIED MATHEMATICS, 208 (2): 341-353 NOV 15 2007

Addresses: Natl Changhua Univ Educ, Dept Math, Changhua 50058, Taiwan; King Fahd Univ Petr & Minerals, Dept Math Sci, Dhahran 31261, Saudi Arabia; Aligarh Muslim Univ, Dept Math, Aligarh 202002, Uttar Pradesh, India

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Subject Category: Mathematics, Applied

Record 67 of 313

Author(s): Al-Kuhaili, MF (Al-Kuhaili, M. F.); Durrani, SMA (Durrani, S. M. A.)

Title: Incorporation of oxygen into thermally evaporated germanium and optical characterization of the resulting films

Source: JOURNAL OF APPLIED PHYSICS, 102 (5): Art. No. 053512 SEP 1 2007

Addresses: King Fahd Univ Petr & Minerals, Dept Phys, Dhahran 31261, Saudi Arabia

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Subject Category: Physics, Applied

Record 68 of 313

Author(s): Alshuwaikhat, HM (Alshuwaikhat, Habib M.); Abubakar, I (Abubakar, Ismaila)

Title: Towards a sustainable urban environmental management approach (SUEMA): Incorporating environmental management with strategic environmental assessment (SEA)

Source: JOURNAL OF ENVIRONMENTAL PLANNING AND MANAGEMENT, 50 (2): 257-270 2007

Addresses: King Fahd Univ Petr & Minerals, Dept City & Reg Planning, Dhahran 31261, Saudi Arabia

Reprint Address: Alshuwaikhat, HM, King Fahd Univ Petr & Minerals, Dept City & Reg Planning, Dhahran 31261, Saudi Arabia.

Record 69 of 313

Author(s): Landolsi, MA (Landolsi, Mohamed Adnan)

Title: Performance limits in DS-CDMA timing acquisition

Source: IEEE TRANSACTIONS ON WIRELESS COMMUNICATIONS, 6 (9): 3248-3255 SEP 2007

Addresses: King Fahd Univ Petr & Minerals, Dept Elect Engn, Dhahran 31261, Saudi Arabia

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Subject Category: Engineering, Electrical & Electronic; Telecommunications

Record 70 of 313

Author(s): Al-Malack, MH (Al-Malack, Muhammad H.)

Title: Performance of an immersed membrane bioreactor (IMBR)

Source: DESALINATION, 214 (1-3): 112-127 AUG 15 2007

Addresses: King Fahd Univ Petr & Minerals, Dhahran 31261, Saudi Arabia

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Subject Category: Engineering, Chemical; Water Resources

Record 71 of 313

Author(s): Ahmad, R (Ahmad, Rais); Ansari, QH (Ansari, Qamrul Hasan)

Title: Generalized variational inclusions and H-resolvent equations with h-accretive operators

Source: TAIWANESE JOURNAL OF MATHEMATICS, 11 (3): 703-716 AUG 2007

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Subject Category: Mathematics

Record 72 of 313

Author(s): Ali, SA (Ali, S. A.)

Title: Thermodynamic aspects of hydrodesulfurization and hydrodenitrogenation

Source: PETROLEUM SCIENCE AND TECHNOLOGY, 25 (7): 841-852 2007

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Subject Category: Energy & Fuels; Engineering, Chemical; Engineering, Petroleum

Record 73 of 313

Author(s): Tawancy, HM (Tawancy, H. M.); Alyousef, FK (Alyousef, F. K.)

Title: Effect of long-range ordering in a Ni-Mo alloy on its mechanical properties and corrosion resistance

Source: JOURNAL OF MATERIALS SCIENCE, 42 (21): 9121-9124 NOV 2007

Addresses: King Fahd Univ Petr & Minerals, Res Inst, Engr Res Ctr, Dhahran 31261, Saudi Arabia

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Subject Category: Materials Science, Multidisciplinary

Record 74 of 313

Author(s): El-Shaarawi, MAI (El-Shaarawi, Maged A. I.); Mokheimer, EMA (Mokheimer, Esmail M. A.); Jamal, A (Jamal, Ahmad)

Title: Geometry effects on conjugate natural convection heat transfer in vertical eccentric annuli

Source: INTERNATIONAL JOURNAL OF NUMERICAL METHODS FOR HEAT & FLUID FLOW, 17 (5-6): 461-493 2007

Addresses: King Fahd Univ Petr & Minerals, Dept Mech Engr, Dhahran 31261, Saudi Arabia

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Subject Category: Thermodynamics; Mathematics, Interdisciplinary Applications; Mechanics

Record 75 of 313

Author(s): Malaibari, Z (Malaibari, Z.); Kahraman, R (Kahraman, R.); Saricimen, H (Saricimen, H.); Quddus, A (Quddus, A.)

Title: Investigation of atmospheric corrosion of mild steel after treatment by several inhibitor solutions

Source: CORROSION ENGINEERING SCIENCE AND TECHNOLOGY, 42 (2): 112-118 JUN 2007

Addresses: King Fahd Univ Petr & Minerals, Dept Chem Engr, Dhahran 31261, Saudi Arabia; King Fahd Univ Petr & Minerals, Inst Res, Dhahran 31261, Saudi Arabia

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Subject Category: Materials Science, Multidisciplinary; Metallurgy & Metallurgical Engineering

Record 76 of 313

Author(s): Shaikh, AA (Shaikh, A. A.); Batran, SH (Batran, S. H.)

Title: On bubble-side transport limitations in catalytic fluid-bed reactors

Source: CHEMICAL ENGINEERING RESEARCH & DESIGN, 85 (A8): 1215-1218 AUG 2007

Addresses: King Fahd Univ Petr & Minerals, Dept Chem Engr, Dhahran 31261, Saudi Arabia

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Subject Category: Engineering, Chemical

Record 77 of 313

Author(s): Abderrahman, WA (Abderrahman, Walid A.); Elamin, AS (Elamin, Abdalla S.); Al-Harazin, IM (Al-Harazin, Ibrahim M.); Eqnaibi, BS (Eqnaibi, Badie S.)

Title: Management of groundwater in urban centers: A case study Greater Dammam Metropolitan

Source: ARABIAN JOURNAL FOR SCIENCE AND ENGINEERING, 32 (1C): 49-63 JUN 2007

Addresses: King Fahd Univ Petr & Minerals, Inst Res, Water Sect, Dhahran 31261, Saudi Arabia

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Subject Category: Multidisciplinary Sciences

Record 78 of 313

Author(s): Aiban, SA (Aiban, S. A.)

Title: Leaching characteristics of a fine-grained calcareous sediment

Source: QUARTERLY JOURNAL OF ENGINEERING GEOLOGY AND HYDROGEOLOGY, 40: 251-266 Part 3 AUG 2007

Addresses: King Fahd Univ Petr & Minerals, Dept Civil Engr, Dhahran 31261, Saudi Arabia

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Subject Category: Engineering, Geological; Geosciences, Multidisciplinary

Record 79 of 313

Author(s): Abuelma'atti, MT (Abuelma'atti, Muhammad Taher)

Title: Harmonic and intermodulation performance of the semiconductor bolometer

Source: INTERNATIONAL JOURNAL OF INFRARED AND MILLIMETER WAVES, 28 (9): 741-749 SEP 2007

Addresses: King Fahd Univ Petr & Minerals, Dhahran 31261, Saudi Arabia

Reprint Address: Abuelma'atti, MT, King Fahd Univ Petr & Minerals, Box 203, Dhahran 31261, Saudi Arabia.

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Subject Category: Engineering, Electrical & Electronic; Optics; Physics, Applied

Record 80 of 313

Author(s): Al-Shahrani, SM (Al-Shahrani, S. M.)

Title: CMOS wideband auto-tuning phase shifter circuit

Source: ELECTRONICS LETTERS, 43 (15): 804-806 JUL 19 2007

Addresses: King Fahd Univ Petr & Minerals, Dept Elect Engr, Dhahran 31261, Saudi Arabia

Reprint Address: Al-Shahrani, SM, King Fahd Univ Petr & Minerals, Dept Elect Engr, Dhahran 31261, Saudi Arabia.

E-mail Address: saadms@kfupm.edu.sa

Subject Category: Engineering, Electrical & Electronic

Record 81 of 313

Author(s): Hassan, HM (Hassan, Hassan M.)

Title: Stylolite effect on geochemistry, porosity and permeability: Comparison between a limestone and a dolomite sample from Khuff-B reservoir in Eastern Saudi Arabia

Source: ARABIAN JOURNAL FOR SCIENCE AND ENGINEERING, 32 (2A): 139-148 JUL 2007

Addresses: Univ Alberta, Edmonton, AB T6G 2G7, Canada; King Fahd Univ Petr & Minerals, Dhahran 31261, Saudi Arabia

Reprint Address: Hassan, HM, Univ Alberta, Room 238 CEB, 11322 Ave, Edmonton, AB T6G 2G7, Canada.

Subject Category: Multidisciplinary Sciences

Record 82 of 313

Author(s): Seddigi, ZS (Seddigi, Zaki S.); Banu, A (Banu, Afroza); Hossain, GMG (Hossain, G. M. Golzar)

Title: Synthesis and crystal structure of mercury complex of saccharin with pyridine [Hg(sac)(2)(py)(2)]

Source: ARABIAN JOURNAL FOR SCIENCE AND ENGINEERING, 32 (2A): 181-187 JUL 2007

Addresses: King Fahd Univ Petr & Minerals, Dept Chem, Dhahran 31261, Saudi Arabia; Univ Cardiff Wales, Sch Chem, Cardiff CF10 3AT, Wales

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Subject Category: Multidisciplinary Sciences

Record 83 of 313

Author(s): O'Regan, D (O'Regan, D.); El-Gebeily, M (El-Gebeily, M.)

Title: Existence and quasilinearization in Hilbert spaces revisited

Source: APPLICABLE ANALYSIS, 86 (4): 411-419 2007

Addresses: King Fahd Univ Petr & Minerals, Dept Math Sci, Dhahran 31261, Saudi Arabia; Natl Univ Ireland Univ Coll Galway, Dept Math, Galway, Ireland

Reprint Address: El-Gebeily, M, King Fahd Univ Petr & Minerals, Dept Math Sci, Dhahran 31261, Saudi Arabia.

E-mail Address: mgebeily@kfupm.edu.sa

Subject Category: Mathematics, Applied

Record 84 of 313

Author(s): Zummo, SA (Zummo, Salam A.)

Title: Performance of coded cooperative diversity with interference in nakagami fading environments

Source: WIRELESS PERSONAL COMMUNICATIONS, 43 (1): 29-40 OCT 2007

Addresses: King Fahd Univ Petr & Minerals, Dept Elect Engr, Dhahran 31261, Saudi Arabia

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Subject Category: Telecommunications

Record 85 of 313

Author(s): Al-Garni, A (Al-Garni, Ahmed); Kassem, AH (Kassem, Ayman Hamdy)

Title: On the optimization of aerospace plane ascent trajectory

Source: TRANSACTIONS OF THE JAPAN SOCIETY FOR AERONAUTICAL AND SPACE SCIENCES, 50 (168): 113-120 AUG 2007

Reprint Address: Al-Garni, A, King Fahd Univ Petr & Minerals, Dhahran 31261, Saudi Arabia.

Subject Category: Engineering, Aerospace

Record 86 of 313

Author(s): Shaahid, SM (Shaahid, S. M.); Elhadidy, MA (Elhadidy, M. A.)

Title: Technical and economic assessment of grid-independent hybrid photovoltaic-diesel-battery power systems for commercial loads in desert environments

Source: RENEWABLE & SUSTAINABLE ENERGY REVIEWS, 11 (8): 1794-1810 OCT 2007

Addresses: King Fahd Univ Petr & Minerals, Res Inst, Engr Res Ctr, Dhahran 31261, Saudi Arabia

Reprint Address: Shaahid, SM, King Fahd Univ Petr & Minerals, Res Inst, Engr Res Ctr, Dhahran 31261, Saudi Arabia.

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Subject Category: Energy & Fuels

Record 87 of 313

Author(s): Rehman, S (Rehman, Shafiqur); Bader, MA (Bader, Maher A.); Al-Moallem, SA (Al-Moallem, Said A.)

Title: Cost of solar energy generated using PV panels

Source: RENEWABLE & SUSTAINABLE ENERGY REVIEWS, 11 (8): 1843-1857 OCT 2007

Addresses: King Fahd Univ Petr & Minerals, Res Inst, Ctr Engr Res, Dhahran 31261, Saudi Arabia; Saudi Elect Co, Distribut Engr Dept, Design & Mat Div, Dammam 31422, Saudi Arabia

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Subject Category: Energy & Fuels

Record 88 of 313

Author(s): Almhdie, A (Almhdie, Ahmad); Leger, C (Leger, Christophe); Deriche, M (Deriche, Mohamed); Ledee, R (Ledee, Roger)

Title: 3D registration using a new implementation of the ICP algorithm based on a comprehensive lookup matrix: Application to medical imaging

Source: PATTERN RECOGNITION LETTERS, 28 (12): 1523-1533 SEP 1 2007

Addresses: Univ Orleans, Lab Elect Signals & Images, F-45067 Orleans, France; King Fahd Univ Petr & Minerals, Dept Elect Engr, Dhahran 31261, Saudi Arabia

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Subject Category: Computer Science, Artificial Intelligence

Record 89 of 313

Author(s): Al-Homidan, S (Al-Homidan, S.); Ansari, QH (Ansari, Q. H.); Schaible, S (Schaible, S.)

Title: Existence of solutions of systems of generalized implicit vector variational inequalities

Source: JOURNAL OF OPTIMIZATION THEORY AND APPLICATIONS, 134 (3): 515-531 SEP 2007

Addresses: Univ Calif Riverside, Asta Pharma AG, Riverside, CA 92521 USA; King Fahd Univ Petr & Minerals, Dept Math Sci, Dhahran, Saudi Arabia; Aligarh Muslim Univ, Dept Math, Aligarh, Uttar Pradesh, India

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E-mail Address: siegfried.schaible@ucr.edu

Subject Category: Operations Research & Management Science; Mathematics, Applied

Record 90 of 313

Author(s): Merah, N (Merah, Nesar)

Title: Natural weathering effects on some properties of CPVC pipe material

Source: JOURNAL OF MATERIALS PROCESSING TECHNOLOGY, 191 (1-3): 198-201 Sp. Iss. SI AUG 1 2007

Addresses: King Fahd Univ Petr & Minerals, Dept Mech Engr, Dhahran 31261, Saudi Arabia

Reprint Address: Merah, N, King Fahd Univ Petr & Minerals, Dept Mech Engr, Dhahran 31261, Saudi Arabia.

E-mail Address: nesar@kfupm.edu.sa

Subject Category: Engineering, Industrial; Engineering, Manufacturing; Materials Science, Multidisciplinary

Record 91 of 313

Author(s): Sarabi, K (Sarabi, Khashayar); Selim, A (Selim, Abdulhafez); Khachemoune, A (Khachemoune, Amor)

Title: A young girl with blisters on her forehead - Herpes zoster ophthalmicus

Source: JOURNAL OF FAMILY PRACTICE, 56 (7): 551-553 JUL 2007

Addresses: NYU, Sch Med, Dept Dermatol, New York, NY 10016 USA; Loma Linda Univ, Sch Med, Loma Linda, CA USA; King Fahd Univ Petr & Minerals, Dhahran 31261, Saudi Arabia; Univ Texas, Hlth Sci Ctr, San Antonio, TX USA

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Subject Category: Medicine, General & Internal

Record 92 of 313

Author(s): Hameed, T (Hameed, Tayyab); Hussein, IA (Hussein, Ibnelwaleed A.)

Title: Melt miscibility and solid-state properties of metallocene LLDPE blends with HDPE: Influence of MM of LLDPE

Source: JOURNAL OF CENTRAL SOUTH UNIVERSITY OF TECHNOLOGY, 14: 183-187 Suppl. 1 AUG 2007

Addresses: King Fahd Univ Petr & Minerals, Dept Chem Engr, Dhahran 31261, Saudi Arabia; King Fahd Univ Petr & Minerals, Res Inst, Ctr Refining & Petrochem, Dhahran 31261, Saudi Arabia

Reprint Address: Hameed, T, King Fahd Univ Petr & Minerals, Dept Chem Engr, Dhahran 31261, Saudi Arabia.

Subject Category: Metallurgy & Metallurgical Engineering

Record 93 of 313

Author(s): Pakdemirli, M (Pakdemirli, M.); Dolapci, IT (Dolapci, I. T.); Yilbas, BS (Yilbas, B. S.)

Title: Symmetries and approximate solution of energy transfer equations in short pulse laser heating

Source: INTERNATIONAL JOURNAL OF THERMAL SCIENCES, 46 (9): 908-913 SEP 2007

Addresses: Celal Bayar Univ, Dept Mech Engr, TR-45140 Muradiye, Manisa, Turkey; Dumlupinar Univ, Dept Math, Kutahya, Turkey; King Fahd Univ Petr & Minerals, Dept Mech Engr, Dhahran 31261, Saudi Arabia

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Subject Category: Thermodynamics; Engineering, Mechanical

Record 94 of 313

Author(s): Abuelma'atti, MT (Abuelma'atti, Muhammad Taher)

Title: Theoretical analysis of the intermodulation performance of Mach-Zehnder modulators with difference frequency injection

Source: INTERNATIONAL JOURNAL OF INFRARED AND MILLIMETER WAVES, 28 (10): 831-838 OCT 2007

Addresses: King Fahd Univ Petr & Minerals, Dhahran 31261, Saudi Arabia

Reprint Address: Abuelma'atti, MT, King Fahd Univ Petr & Minerals, Box 203, Dhahran 31261, Saudi Arabia.

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Subject Category: Engineering, Electrical & Electronic; Optics; Physics, Applied

Record 95 of 313

Author(s): Abuelma'atti, MT (Abuelma'atti, Muhammad Taher)

Title: Large signal analysis of the infrared semiconductor mercury-cadmium-telluride detectors

Source: INTERNATIONAL JOURNAL OF INFRARED AND MILLIMETER WAVES, 28 (10): 849-858 OCT 2007

Addresses: King Fahd Univ Petr & Minerals, Dhahran 31261, Saudi Arabia

Reprint Address: Abuelma'atti, MT, King Fahd Univ Petr & Minerals, POB 203, Dhahran 31261, Saudi Arabia.

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Subject Category: Engineering, Electrical & Electronic; Optics; Physics, Applied

Record 96 of 313

Author(s): Khan, AR (Khan, A. R.); Al-Gadhib, AH (Al-Gadhib, A. H.); Baluch, MH (Baluch, M. H.)

Title: Elasto-damage model for high strength concrete subjected to multiaxial loading

Source: INTERNATIONAL JOURNAL OF DAMAGE MECHANICS, 16 (3): 361-398 JUL 2007

Addresses: King Fahd Univ Petr & Minerals, Dept Civil Engn, Dhahran 31261, Saudi Arabia; NED Univ Engn & Technol, Dept Civil Engn, Karachi 75270, Pakistan

Reprint Address: Baluch, MH, King Fahd Univ Petr & Minerals, Dept Civil Engn, Dhahran 31261, Saudi Arabia.

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Subject Category: Materials Science, Multidisciplinary; Mechanics

Record 97 of 313

Author(s): El-Alfy, ESM (El-Alfy, El-Sayed M.)

Title: Applications of genetic algorithms to optimal multilevel design of MPLS-based networks

Source: COMPUTER COMMUNICATIONS, 30 (9): 2010-2020 JUN 30 2007

Addresses: King Fahd Univ Petr & Minerals, Coll Comp Sci & Engn, Dhahran 31261, Saudi Arabia

Reprint Address: El-Alfy, ESM, King Fahd Univ Petr & Minerals, Coll Comp Sci & Engn, Dhahran 31261, Saudi Arabia.

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Subject Category: Computer Science, Information Systems; Engineering, Electrical & Electronic; Telecommunications

Record 98 of 313

Author(s): Chanane, B (Chanane, B.)

Title: Sturm-Liouville problems with impulse effects

Source: APPLIED MATHEMATICS AND COMPUTATION, 190 (1): 610-626 JUL 1 2007

Addresses: King Fahd Univ Petr & Minerals, Dept Math Sci, Dhahran 31261, Saudi Arabia

Reprint Address: Chanane, B, King Fahd Univ Petr & Minerals, Dept Math Sci, Dhahran 31261, Saudi Arabia.

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Subject Category: Mathematics, Applied

Record 99 of 313

Author(s): Boucherif, A (Boucherif, Abdelkader); Ai-Malki, N (Ai-Malki, Nawal)

Title: Nonlinear three-point third-order boundary value problems

Source: APPLIED MATHEMATICS AND COMPUTATION, 190 (2): 1168-1177 JUL 15 2007

Addresses: King Fahd Univ Petr & Minerals, Dept Math Sci, Dhahran 31261, Saudi Arabia; Sci Coll Girls, Dept Math, Dammam, Saudi Arabia

Reprint Address: Boucherif, A, King Fahd Univ Petr & Minerals, Dept Math Sci, Box 5046, Dhahran 31261, Saudi Arabia.

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Subject Category: Mathematics, Applied

Record 100 of 313

Author(s): Khaliq, AQM (Khaliq, A. Q. M.); Wade, BA (Wade, B. A.); Yousuf, M (Yousuf, M.); Vigo-Aguiar, J (Vigo-Aguiar, J.)

Title: High order smoothing schemes for inhomogeneous parabolic problems with applications in option pricing

Source: NUMERICAL METHODS FOR PARTIAL DIFFERENTIAL EQUATIONS, 23 (5): 1249-1276 SEP 2007

Addresses: Univ Wisconsin, Dept Math Sci, Milwaukee, WI 53201 USA; Middle Tennessee State Univ, Dept Math Sci, Murfreesboro, TN 37132 USA; King Fahd Univ Petr & Minerals, Dept Math Sci, Dhahran, Saudi Arabia; Univ Salamanca, Dept Matemat Aplicada, Salamanca 37003, Spain

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E-mail Address: wade@uwm.edu

Subject Category: Mathematics, Applied

Record 101 of 313

Author(s): Yilbas, BS (Yilbas, Bekir Sami)

Title: Laser short-pulse heating of a gold surface: Comparison of absorption and surface heat flux heating situations

Source: NUMERICAL HEAT TRANSFER PART A-APPLICATIONS, 52 (1): 87-100 2007

Addresses: King Fahd Univ Petr & Minerals, Dept Mech Engr, Dhahran 31261, Saudi Arabia

Reprint Address: Yilbas, BS, King Fahd Univ Petr & Minerals, Dept Mech Engr, POB 1913, Dhahran 31261, Saudi Arabia.

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Subject Category: Thermodynamics; Mechanics

Record 102 of 313

Author(s): El-Gebeily, M (El-Gebeily, Mohamed); O'Regan, D (O'Regan, Donal)

Title: Existence and boundary behavior for singular nonlinear differential equations with arbitrary boundary conditions

Source: JOURNAL OF MATHEMATICAL ANALYSIS AND APPLICATIONS, 334 (1): 140-156

OCT 1 2007

Addresses: King Fahd Univ Petr & Minerals, Dept Math Sci, Dhahran 31261, Saudi Arabia; Natl Univ Ireland Univ Coll Galway, Dept Math, Galway, Ireland

Reprint Address: El-Gebeily, M, King Fahd Univ Petr & Minerals, Dept Math Sci, Dhahran 31261, Saudi Arabia.

E-mail Address: mgebeily@kfupm.edu.sa

Subject Category: Mathematics, Applied; Mathematics

Record 103 of 313

Author(s): Ansari, QH (Ansari, Qamrul Hasan)

Title: Vectorial form of Ekeland-type variational principle with applications to vector equilibrium problems and fixed point theory

Source: JOURNAL OF MATHEMATICAL ANALYSIS AND APPLICATIONS, 334 (1): 561-575
OCT 1 2007

Addresses: King Fahd Univ Petr & Minerals, Dept Math Sci, Dhahran 31261, Saudi Arabia; Aligarh Muslim Univ, Dept Math, Aligarh 202002, Uttar Pradesh, India

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Subject Category: Mathematics, Applied; Mathematics

Record 104 of 313

Author(s): Al-Fayez, S (Al-Fayez, Sahar); Abdel-Rahman, LH (Abdel-Rahman, Laila H.); Shemsi, AM (Shemsi, Ahsan M.); Seddigi, ZS (Seddigi, Zaki S.); Fettouhi, M (Fettouhi, Mohammed)

Title: Synthesis and crystal structures of bromo(1,10-phenanthroline-N,N')tris(2-cyanoethyl)phosphinocopper(I) and bromo(2,2'-bipyridine-N,N')tris(2-cyanoethyl)phosphinocopper(I)

Source: JOURNAL OF CHEMICAL CRYSTALLOGRAPHY, 37 (8): 517-521 AUG 2007

Addresses: King Fahd Univ Petr & Minerals, Dept Chem, Dhahran 31261, Saudi Arabia; Sci Girls Coll, Dept Chem, Oarai, Ibaraki 31113, Japan; PAEC, Islamabad, Pakistan

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Subject Category: Crystallography; Spectroscopy

Record 105 of 313

Author(s): Sharqawy, MH (Sharqawy, Mostafa H.); Zubair, SM (Zubair, Syed M.)

Title: Efficiency and optimization of an annular fin with combined heat and mass transfer - An analytical solution

Source: INTERNATIONAL JOURNAL OF REFRIGERATION-REVUE INTERNATIONALE DU FROID, 30 (5): 751-757 AUG 2007

Addresses: King Fahd Univ Petr & Minerals, Dept Mech Engr, Dhahran 31261, Saudi Arabia

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Subject Category: Thermodynamics; Engineering, Mechanical

Record 106 of 313

Author(s): Al-Sulaiman, FA (Al-Sulaiman, Faleh A.); Gandhidasan, P (Gandhidasan, P.); Zubair, SM (Zubair, Syed M.)

Title: Liquid desiccant based two-stage evaporative cooling system using reverse osmosis (RO) process for regeneration

Source: APPLIED THERMAL ENGINEERING, 27 (14-15): 2449-2454 OCT 2007

Addresses: King Fahd Univ Petr & Minerals, Dept Mech Engr, Dhahran 31261, Saudi Arabia

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Subject Category: Thermodynamics; Energy & Fuels; Engineering, Mechanical; Mechanics

Record 107 of 313

Author(s): Antar, MA (Antar, Mohamed A.); Zubair, SM (Zubair, Syed M.)

Title: The impact of fouling on performance evaluation of multi-zone feedwater heaters

Source: APPLIED THERMAL ENGINEERING, 27 (14-15): 2505-2513 OCT 2007

Addresses: King Fahd Univ Petr & Minerals, Dept Mech Engr, Dhahran 31261, Saudi Arabia

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Subject Category: Thermodynamics; Energy & Fuels; Engineering, Mechanical; Mechanics

Record 108 of 313

Author(s): Bahlouli, H (Bahlouli, H.); Alhaidari, AD (Alhaidari, A. D.); Abdelmonem, MS (Abdelmonem, M. S.)

Title: Density of states extracted from modified recursion relations

Source: PHYSICS LETTERS A, 367 (1-2): 162-172 JUL 16 2007

Addresses: King Fahd Univ Petr & Minerals, Dept Phys, Dhahran 31261, Saudi Arabia; Shura Council, Riyadh 11212, Saudi Arabia

Reprint Address: Bahlouli, H, King Fahd Univ Petr & Minerals, Dept Phys, Dhahran 31261, Saudi Arabia.

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Subject Category: Physics, Multidisciplinary

Record 109 of 313

Author(s): Alhaidari, AD (Alhaidari, A. D.); Bahlouli, H (Bahlouli, H.); Al-Hasan, A (Al-Hasan, A.); Abdelmonem, MS (Abdelmonem, M. S.)

Title: Relativistic scattering with a spatially dependent effective mass in the Dirac equation

Source: PHYSICAL REVIEW A, 75 (6): Art. No. 062711 JUN 2007

Addresses: Shura Council, Riyadh 11212, Saudi Arabia; King Fahd Univ Petr & Minerals,

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Subject Category: Optics; Physics, Atomic, Molecular & Chemical

Record 110 of 313

Author(s): Al-Kuhaili, MF (Al-Kuhaili, M. F.); Khawaja, EE (Khawaja, E. E.); Durrani, SMA (Durrani, S. M. A.)

Title: A method for the determination of the optical constants (n and k) of thin films with large optical inhomogeneities

Source: JOURNAL OF MODERN OPTICS, 54 (10): 1453-1465 2007

Addresses: King Fahd Univ Petr & Minerals, Dept Phys, Dhahran 31261, Saudi Arabia

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Subject Category: Optics

Record 111 of 313

Author(s): Azad, H (Azad, H.); Mustafa, MT (Mustafa, M. T.)

Title: Symmetry analysis of wave equation on sphere

Source: JOURNAL OF MATHEMATICAL ANALYSIS AND APPLICATIONS, 333 (2): 1180-1188 SEP 15 2007

Addresses: King Fahd Univ Petr & Minerals, Dept Math Sci, Dhahran 31261, Saudi Arabia

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Subject Category: Mathematics, Applied; Mathematics

Record 112 of 313

Author(s): Chanane, B (Chanane, B.)

Title: Computing the spectrum of non-self-adjoint Sturm-Liouville problems with parameter-dependent boundary conditions

Source: JOURNAL OF COMPUTATIONAL AND APPLIED MATHEMATICS, 206 (1): 229-237 SEP 1 2007

Addresses: King Fahd Univ Petr & Minerals, Dept Math Sci, Dhahran 31261, Saudi Arabia

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Subject Category: Mathematics, Applied

Record 113 of 313

Author(s): Fairag, FA (Fairag, Faisal A.)

Title: Analysis and finite element approximation of a Ladyzhenskaya model for viscous

flow in streamfunction form

Source: JOURNAL OF COMPUTATIONAL AND APPLIED MATHEMATICS, 206 (1): 374-391
SEP 1 2007

Addresses: King Fahd Univ Petr & Minerals, Dept Math Sci, Dhahran 31261, Saudi Arabia

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Subject Category: Mathematics, Applied

Record 114 of 313

Author(s): Alfares, HK (Alfares, Hesham K.)

Title: Inventory model with stock-level dependent demand rate and variable holding cost

Source: INTERNATIONAL JOURNAL OF PRODUCTION ECONOMICS, 108 (1-2): 259-265
Sp. Iss. SI JUL 2007

Addresses: King Fahd Univ Petr & Minerals, Dept Syst Engn, Dhahran 31261, Saudi Arabia

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Subject Category: Engineering, Industrial; Engineering, Manufacturing; Operations Research & Management Science

Record 115 of 313

Author(s): Ashraf, W (Ashraf, Waqar); Bukhari, A (Bukhari, Alaadin)

Title: Separation of textile dye (Thioflavin T) by using supported liquid membranes

Source: FRESENIUS ENVIRONMENTAL BULLETIN, 16 (6): 685-689 2007

Addresses: King Fahd Univ Petr & Minerals, Res Inst, Ctr Environm & Water, Dhahran 31261, Saudi Arabia

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Subject Category: Environmental Sciences

Record 116 of 313

Author(s): Bokhari, MA (Bokhari, M. A.)

Title: On hermite interpolating L-2-approximants

Source: DYNAMIC SYSTEMS AND APPLICATIONS, 16 (2): 203-216 JUN 2007

Addresses: King Fahd Univ Petr & Minerals, Dept Math Sci, Dhahran 31261, Saudi Arabia

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Subject Category: Mathematics, Applied; Mathematics

Record 117 of 313

Author(s): Kirane, M (Kirane, M.); Tatar, N (Tatar, N.)

Title: Absence of local and global solutions to an elliptic system with time-fractional dynamical boundary conditions

Source: SIBERIAN MATHEMATICAL JOURNAL, 48 (3): 477-488 MAY-JUN 2007

Addresses: Univ La Rochelle, La Rochelle, France; King Fahd Univ Petr & Minerals, Dhahran 31261, Saudi Arabia

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Subject Category: Mathematics

Record 118 of 313

Author(s): Al-Anazi, D (Al-Anazi, D.); Hashmi, MSJ (Hashmi, M. S. J.); Yilbas, BS (Yilbas, B. S.)

Title: High-velocity oxy-fuel coating of AMDRY 9954 on to Ti-6Al-4V alloy: fracture toughness measurement

Source: PROCEEDINGS OF THE INSTITUTION OF MECHANICAL ENGINEERS PART B-JOURNAL OF ENGINEERING MANUFACTURE, 221 (4): 617-623 APR 2007

Addresses: King Fahd Univ Petr & Minerals, Dept Mech Engr, Dhahran 31261, Saudi Arabia

Reprint Address: Yilbas, BS, King Fahd Univ Petr & Minerals, Dept Mech Engr, POB 1913, Dhahran 31261, Saudi Arabia.

E-mail Address: bsyilbas@kfupm.edu.sa

Subject Category: Engineering, Manufacturing; Engineering, Mechanical

Record 119 of 313

Author(s): Al-Anazi, D (Al-Anazi, D.); Hashmi, MSJ (Hashmi, M. S. J.); Yilbas, BS (Yilbas, B. S.)

Title: High-velocity oxy-fuel thermally sprayed CoNiCrAlY coatings on Ti-6Al-4V alloy: high cycle fatigue properties of coating

Source: PROCEEDINGS OF THE INSTITUTION OF MECHANICAL ENGINEERS PART B-JOURNAL OF ENGINEERING MANUFACTURE, 221 (4): 647-654 APR 2007

Addresses: King Fahd Univ Petr & Minerals, Dept Mech Engr, Dhahran 31261, Saudi Arabia; Dublin City Univ, Dublin 9, Ireland

Reprint Address: Yilbas, BS, King Fahd Univ Petr & Minerals, Dept Mech Engr, POB 1913, Dhahran 31261, Saudi Arabia.

E-mail Address: bsyilbas@kfupm.edu.sa

Subject Category: Engineering, Manufacturing; Engineering, Mechanical

Record 120 of 313

Author(s): Al-Qawasmi, J (Al-Qawasmi, Jamal)

Title: Virtualization of architectural design education in the Arab region: Potential and cultural implications

Source: OPEN HOUSE INTERNATIONAL, 32 (2): 55-64 JUN 2007

Addresses: King Fahd Univ Petr & Minerals, Dept Architecture, Coll Environm Design, Dhahran, Saudi Arabia

Reprint Address: Al-Qawasmi, J, King Fahd Univ Petr & Minerals, Dept Architecture, Coll Environm Design, Dhahran, Saudi Arabia.

E-mail Address: Jamalq@kfupm.edu.sa

Subject Category: Architecture; Environmental Studies; Urban Studies

Record 121 of 313

Author(s): El-Maleh, A (El-Maleh, A.); Khursheed, S (Khursheed, S.)

Title: Efficient test compaction for combinational circuits based on Fault detection count-directed clustering

Source: IET COMPUTERS AND DIGITAL TECHNIQUES, 1 (4): 364-368 JUL 2007

Addresses: King Fahd Univ Petr & Minerals, Dept Comp Engr, Dhahran 31261, Saudi Arabia; Univ Southampton, Dept Elect & Comp Sci, Southampton SO9 5NH, Hants, England

Reprint Address: El-Maleh, A, King Fahd Univ Petr & Minerals, Dept Comp Engr, POB 1063, Dhahran 31261, Saudi Arabia.

E-mail Address: aimane@ccse.kfupm.edu.sa

Subject Category: Computer Science, Hardware & Architecture; Computer Science, Theory & Methods

Record 122 of 313

Author(s): Gutub, AAA (Gutub, A. A-A.)

Title: High speed hardware architecture to compute galois fields GF(p) montgomery inversion with scalability features

Source: IET COMPUTERS AND DIGITAL TECHNIQUES, 1 (4): 389-396 JUL 2007

Addresses: King Fahd Univ Petr & Minerals, Dept Comp Engr, Dhahran 31261, Saudi Arabia

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Subject Category: Computer Science, Hardware & Architecture; Computer Science, Theory & Methods

Record 123 of 313

Author(s): Fukhar-ud-din, H (Fukhar-ud-din, Hafiz); Khan, AR (Khan, Abdul Rahim)

Title: Approximating common fixed points of asymptotically nonexpansive maps in uniformly convex Banach spaces

Source: COMPUTERS & MATHEMATICS WITH APPLICATIONS, 53 (9): 1349-1360 MAY 2007

Addresses: King Fahd Univ Petr & Minerals, Dept Math Sci, Dhahran 31261, Saudi Arabia; Islamia Univ, Bahawalpur 63100, Pakistan

Reprint Address: Khan, AR, King Fahd Univ Petr & Minerals, Dept Math Sci, Dhahran 31261, Saudi Arabia.

E-mail Address: hfdin@yahoo.com; arahim@kfupm.edu.sa

Subject Category: Computer Science, Interdisciplinary Applications; Mathematics, Applied

Record 124 of 313

Author(s): Badawi, HM (Badawi, Hassan M.)

Title: Vibrational spectra and analysis of acetohydrazide CH₃-CO-NH-NH₂

Source: SPECTROCHIMICA ACTA PART A-MOLECULAR AND BIOMOLECULAR SPECTROSCOPY, 67 (3-4): 592-597 JUL 2007

Addresses: King Fahd Univ Petr & Minerals, Dept Chem, Dhahran 31261, Saudi Arabia

Reprint Address: Badawi, HM, King Fahd Univ Petr & Minerals, Dept Chem, Dhahran 31261, Saudi Arabia.

E-mail Address: hbadawi@kfupm.edu.sa

Subject Category: Spectroscopy

Record 125 of 313

Author(s): Naqvi, AA (Naqvi, A. A.); Fazal-ur-Rehman (Fazal-ur-Rehman); Nagadi, MM (Nagadi, M. M.); Khateeb-ur-Rehman (Khateeb-ur-Rehman)

Title: Sample to moderator volume ratio effects in neutron yield from a PGNA setup

Source: RADIATION MEASUREMENTS, 42 (2): 241-244 FEB 2007

Addresses: King Fahd Univ Petr & Minerals, Dept Phys, Dhahran 31261, Saudi Arabia

Reprint Address: Naqvi, AA, King Fahd Univ Petr & Minerals, Dept Phys, Box 1815, Dhahran 31261, Saudi Arabia.

E-mail Address: aanaqvi@kfupm.edu.sa

Subject Category: Nuclear Science & Technology

Record 126 of 313

Author(s): Basha, M (Basha, M.); Al-Qahtani, M (Al-Qahtani, M.); Yilbas, BS (Yilbas, B. S.)

Title: Entropy generation in a rotating channel

Source: PROCEEDINGS OF THE INSTITUTION OF MECHANICAL ENGINEERS PART A-JOURNAL OF POWER AND ENERGY, 221 (A3): 291-299 MAY 2007

Addresses: King Fahd Univ Petr & Minerals, Dept Mech Engr, Dhahran 31261, Saudi Arabia

Reprint Address: Yilbas, BS, King Fahd Univ Petr & Minerals, Dept Mech Engr, Dhahran 31261, Saudi Arabia.

E-mail Address: bsyilbas@kfupm.edu.sa

Subject Category: Engineering, Mechanical

Record 127 of 313

Author(s): Tijani, J (Tijani, Jimoh); El Ali, B (El Ali, Bassam)

Title: Rhodium-catalyzed hydroformylation of olefins: Effect of [bis(2,4-di-tert-butyl) pentaerythritol] diphosphite (alkanox P-24) on the regioselectivity of the reaction

Source: JOURNAL OF ORGANOMETALLIC CHEMISTRY, 692 (16): 3492-3497 JUL 15 2007

Addresses: King Fahd Univ Petr & Minerals, Dept Chem, Dhahran 31261, Saudi Arabia

Reprint Address: El Ali, B, King Fahd Univ Petr & Minerals, Dept Chem, Dhahran 31261, Saudi Arabia.

E-mail Address: belali@kfupm.edu.sa

Subject Category: Chemistry, Inorganic & Nuclear; Chemistry, Organic

Record 128 of 313

Author(s): Gondal, MA (Gondal, Mohammed A.); Bakhtiari, IA (Bakhtiari, Imran A.); Dastageer, AK (Dastageer, Abdul K.)

Title: Laser-based sensor for detection of hazardous gases in the air using waveguide CO2 laser

Source: JOURNAL OF ENVIRONMENTAL SCIENCE AND HEALTH PART A-TOXIC/HAZARDOUS SUBSTANCES & ENVIRONMENTAL ENGINEERING, 42 (7): 871-878 2007

Addresses: King Fahd Univ Petr & Minerals, Dept Phys, Laser Res Lab, Dhahran 31261, Saudi Arabia

Reprint Address: Gondal, MA, King Fahd Univ Petr & Minerals, Dept Phys, Laser Res Lab, Box 372, Dhahran 31261, Saudi Arabia.

E-mail Address: magondal@kfupm.edu.sa

Subject Category: Engineering, Environmental; Environmental Sciences

Record 129 of 313

Author(s): Gondal, MA (Gondal, Mohammed A.); Hussain, T (Hussain, Talib); Ahmed, Z (Ahmed, Zulfiqar); Bakry, AH (Bakry, Ahmed H.)

Title: Detection of contaminants in ore samples using laser-induced breakdown spectroscopy

Source: JOURNAL OF ENVIRONMENTAL SCIENCE AND HEALTH PART A-TOXIC/HAZARDOUS SUBSTANCES & ENVIRONMENTAL ENGINEERING, 42 (7): 879-887 2007

Addresses: King Fahd Univ Petr & Minerals, Dept Phys, Laser Res Lab, Dhahran 31261, Saudi Arabia; Natl Univ Sci & Technol, Inst Environm Sci & Engrn, Rawalpindi, Pakistan; King Fahd Univ Petr & Minerals, Dept Earth Sci, Dhahran 31261, Saudi Arabia; King Abdulaziz Univ, Dept Phys, Jeddah 21413, Saudi Arabia

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E-mail Address: magondal@kfupm.edu.sa

Subject Category: Engineering, Environmental; Environmental Sciences

Record 130 of 313

Author(s): Al-Naffouri, TY (Al-Naffouri, Tareq Y.)

Title: An EM-based forward-backward Kalman filter for the estimation of time-variant channels in OFDM

Source: IEEE TRANSACTIONS ON SIGNAL PROCESSING, 55 (7): 3924-3930 Part 2 JUL 2007

Addresses: King Fahd Univ Petr & Minerals, Dept Elect Engrn, Dhahran 31261, Saudi Arabia

Reprint Address: Al-Naffouri, TY, King Fahd Univ Petr & Minerals, Dept Elect Engrn, Dhahran 31261, Saudi Arabia.

E-mail Address: naffouri@kfupm.edu.sa

Subject Category: Engineering, Electrical & Electronic

Record 131 of 313

Author(s): Gondal, MA (Gondal, M. A.); Hussain, T (Hussain, T.); Yamani, ZH (Yamani, Z. H.); Ahmed, Z (Ahmed, Z.)

Title: Determination of toxic metals in petroleum, cultivated land and ore samples using laser-induced breakdown spectroscopy

Source: BULLETIN OF ENVIRONMENTAL CONTAMINATION AND TOXICOLOGY, 78 (3-4):

270-274 APR 2007

Addresses: King Fahd Univ Petr & Minerals, Dept Phys, Laser Res Lab, Dhahran 31261, Saudi Arabia; NUST, Inst Environm Sci & Engn, Rawalpindi, Pakistan; King Fahd Univ Petr & Minerals, Dept Earth Sci, Dhahran 31261, Saudi Arabia

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E-mail Address: magondal@kfupm.edu.sa

Subject Category: Environmental Sciences; Toxicology

Record 132 of 313

Author(s): Bentrchia, A (Bentrchia, A.); Zerguine, A (Zerguine, A.); Sheikh, AU (Sheikh, A. U.)

Title: Low-complexity linear group-SIC detectors

Source: WIRELESS COMMUNICATIONS & MOBILE COMPUTING, 7 (5): 595-604 JUN 2007

Addresses: King Fahd Univ Petr & Minerals, Dept Elect Engr, TRL, Dhahran 31261, Saudi Arabia

Reprint Address: Zerguine, A, King Fahd Univ Petr & Minerals, Dept Elect Engr, TRL, POB 1387, Dhahran 31261, Saudi Arabia.

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Subject Category: Computer Science, Information Systems; Engineering, Electrical & Electronic; Telecommunications

Record 133 of 313

Author(s): Abed, RMM (Abed, Raaid M. M.); Zein, B (Zein, Burhanuddin); Al-Thukair, A (Al-Thukair, Assad); de Beer, D (de Beer, Dirk)

Title: Phylogenetic diversity and activity of aerobic heterotrophic bacteria from a hypersaline oil-polluted microbial mat

Source: SYSTEMATIC AND APPLIED MICROBIOLOGY, 30 (4): 319-330 JUN 2007

Addresses: Max Planck Inst Marine Microbiol, D-8359 Bremen, Germany; King Fahd Univ Petr & Minerals, Dhahran 31261, Saudi Arabia

Reprint Address: Abed, RMM, Max Planck Inst Marine Microbiol, Celsiusstr 1, D-8359 Bremen, Germany.

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Subject Category: Biotechnology & Applied Microbiology; Microbiology

Record 134 of 313

Author(s): Siddiqui, MAB (Siddiqui, Mohammed A. Bari); Ahmed, S (Ahmed, Shakeel); Al-Gharami, MS (Al-Gharami, Musaed S.); Dean, CF (Dean, Chistopher F.)

Title: Additives for the reduction of sulfur in FCC gasoline

Source: REACTION KINETICS AND CATALYSIS LETTERS, 91 (1): 61-67 JUN 2007

Addresses: King Fahd Univ Petr & Minerals, Ctr Refining & Petrochem, Dhahran 31261, Saudi Arabia; DPED, Proc & Control Syst Dept, Dhahran, Saudi Arabia

Reprint Address: Siddiqui, MAB, King Fahd Univ Petr & Minerals, Ctr Refining & Petrochem, Dhahran 31261, Saudi Arabia.

E-mail Address: mabari@kfupm.edu.sa

Subject Category: Chemistry, Physical

Record 135 of 313

Author(s): Al-Jaroudi, SS (Al-Jaroudi, Said S.); UI-Hamid, A (UI-Hamid, Anwar); Mohammed, ARI (Mohammed, Abdul-Rashid I.); Saner, S (Saner, Salih)

Title: Use of X-ray powder diffraction for quantitative analysis of carbonate rock reservoir samples

Source: POWDER TECHNOLOGY, 175 (3): 115-121 JUN 15 2007

Addresses: Saudi Aramco, Tanajib, Saudi Arabia; King Fahd Univ Petr & Minerals, Res Inst, Dhahran 31261, Saudi Arabia

Reprint Address: Al-Jaroudi, SS, Saudi Aramco, PO Box 65, Tanajib, Saudi Arabia.

E-mail Address: said.jaroudi@aramco.com

Subject Category: Engineering, Chemical

Record 136 of 313

Author(s): Manchanda, P (Manchanda, P.); Kumar, J (Kumar, J.); Siddiqi, AH (Siddiqi, A. H.)

Title: Mathematical methods for modelling price fluctuations of financial times series

Source: JOURNAL OF THE FRANKLIN INSTITUTE-ENGINEERING AND APPLIED MATHEMATICS, 344 (5): 613-636 AUG 2007

Addresses: Gurunanak Dev Univ, Dept Math, Amritsar, Punjab, India; King Fahd Univ Petr & Minerals, Dept Math Sci, Dhahran 31261, Saudi Arabia

Reprint Address: Manchanda, P, Gurunanak Dev Univ, Dept Math, Amritsar, Punjab, India.

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Subject Category: Automation & Control Systems; Engineering, Multidisciplinary; Engineering, Electrical & Electronic; Mathematics, Interdisciplinary Applications

Record 137 of 313

Author(s): Bokhari, MA (Bokhari, M. A.)

Title: Gauss quadrature formula: An extension via interpolating orthogonal polynomials

Source: JOURNAL OF THE FRANKLIN INSTITUTE-ENGINEERING AND APPLIED MATHEMATICS, 344 (5): 637-645 AUG 2007

Addresses: King Fahd Univ Petr & Minerals, Dept Math Sci, Dhahran 31261, Saudi Arabia

Reprint Address: Bokhari, MA, King Fahd Univ Petr & Minerals, Dept Math Sci, POB 1762, Dhahran 31261, Saudi Arabia.

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Subject Category: Automation & Control Systems; Engineering, Multidisciplinary; Engineering, Electrical & Electronic; Mathematics, Interdisciplinary Applications

Record 138 of 313

Author(s): Sunar, M (Sunar, M.); Toker, O (Toker, O.)

Title: Substructural control of fuzzy nonlinear flexible structures

Source: JOURNAL OF THE FRANKLIN INSTITUTE-ENGINEERING AND APPLIED MATHEMATICS, 344 (5): 646-657 AUG 2007

Addresses: King Fahd Univ Petr & Minerals, Dept Mech Engn, Dhahran 31261, Saudi Arabia; King Fahd Univ Petr & Minerals, Dept Syst Engn, Dhahran 31261, Saudi Arabia

Reprint Address: Sunar, M, King Fahd Univ Petr & Minerals, Dept Mech Engr, Dhahran 31261, Saudi Arabia.

E-mail Address: mehmet@kfupm.edu.sa

Subject Category: Automation & Control Systems; Engineering, Multidisciplinary; Engineering, Electrical & Electronic; Mathematics, Interdisciplinary Applications

Record 139 of 313

Author(s): Messaoudi, SA (Messaoudi, Salim A.)

Title: On the control of solutions of a viscoelastic equation

Source: JOURNAL OF THE FRANKLIN INSTITUTE-ENGINEERING AND APPLIED MATHEMATICS, 344 (5): 765-776 AUG 2007

Addresses: King Fahd Univ Petr & Minerals, Dept Math Sci, Dhahran 31261, Saudi Arabia

Reprint Address: Messaoudi, SA, King Fahd Univ Petr & Minerals, Dept Math Sci, Dhahran 31261, Saudi Arabia.

E-mail Address: messaoud@kfupm.edu.sa

Subject Category: Automation & Control Systems; Engineering, Multidisciplinary; Engineering, Electrical & Electronic; Mathematics, Interdisciplinary Applications

Record 140 of 313

Author(s): Al-Garni, AZ (Al-Garni, A. Z.); Tozan, M (Tozan, M.); Al-Garni, AM (Al-Garni, A. M.); Jamal, A (Jamal, A.)

Title: Failure forecasting of aircraft air-conditioning/cooling pack with field data

Source: JOURNAL OF AIRCRAFT, 44 (3): 996-1002 MAY-JUN 2007

Addresses: King Fahd Univ Petr & Minerals, Dept Aerosp Engr, Dhahran 31261, Saudi Arabia

Reprint Address: Al-Garni, AZ, King Fahd Univ Petr & Minerals, Dept Aerosp Engr, Mail Box 842, Dhahran 31261, Saudi Arabia.

Subject Category: Engineering, Aerospace

Record 141 of 313

Author(s): Aiban, SA (Aiban, Saad A.)

Title: Reply to the discussion by Shahid Azam on " Aiban SA (2006) Compressibility and swelling characteristics of Al-Khobar Palygorskite, eastern Saudi Arabia, Engineering Geology 87(3-4):205-219"

Source: ENGINEERING GEOLOGY, 92 (3-4): 173-180 JUL 10 2007

Addresses: King Fahd Univ Petr & Minerals, Dept Civil Engr, Dhahran 31261, Saudi Arabia

Reprint Address: Aiban, SA, King Fahd Univ Petr & Minerals, Dept Civil Engr, Dhahran 31261, Saudi Arabia.

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Subject Category: Engineering, Geological; Geosciences, Multidisciplinary

Record 142 of 313

Author(s): Salah, K (Salah, K.); Elbadawi, K (Elbadawi, K.)

Title: Throughput and delay analysis of interrupt-driven kernels under poisson and bursty traffic

Source: COMPUTER SYSTEMS SCIENCE AND ENGINEERING, 22 (1-2): 5-14 JAN-MAR 2007

Addresses: King Fahd Univ Petr & Minerals, Dept Informat & Comp Sci, Dhahran 31261, Saudi Arabia

Reprint Address: Salah, K, King Fahd Univ Petr & Minerals, Dept Informat & Comp Sci, Dhahran 31261, Saudi Arabia.

E-mail Address: salah@kfupm.edu.sa; elbadawi@kfupm.edu.sa

Subject Category: Computer Science, Hardware & Architecture; Computer Science, Theory & Methods

Record 143 of 313

Author(s): Ahmad, S (Ahmad, Shamsad)

Title: Optimum concrete mixture design using locally available ingredients

Source: ARABIAN JOURNAL FOR SCIENCE AND ENGINEERING, 32 (1B): 27-33 APR 2007

Addresses: King Fahd Univ Petr & Minerals, Dept Civil Engr, Dhahran 31261, Saudi Arabia

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Subject Category: Multidisciplinary Sciences

Record 144 of 313

Author(s): Abido, MA (Abido, M. A.); Abdel-Magid, YL (Abdel-Magid, Y. L.)

Title: Dynamic stability enhancement of east-central system in Saudi Arabia via PSS tuning

Source: ARABIAN JOURNAL FOR SCIENCE AND ENGINEERING, 32 (1B): 85-99 APR 2007

Addresses: King Fahd Univ Petr & Minerals, Dept Elect Engr, Dhahran 31261, Saudi Arabia; Petr Inst, Elect Engr Program, Abu Zaby, U Arab Emirates

Reprint Address: Abido, MA, King Fahd Univ Petr & Minerals, Dept Elect Engr, POB 183, Dhahran 31261, Saudi Arabia.

Subject Category: Multidisciplinary Sciences

Record 145 of 313

Author(s): Mahmoud, ASH (Mahmoud, Ashraf S. Hasan); AlQahtani, SA (AlQahtani, Salman A.)

Title: A framework of call admission control procedures for integrated services mobile wireless networks

Source: ARABIAN JOURNAL FOR SCIENCE AND ENGINEERING, 32 (1B): 115-130 APR 2007

Addresses: King Fahd Univ Petr & Minerals, Dept Comp Engr, Dhahran 31261, Saudi Arabia

Reprint Address: Mahmoud, ASH, King Fahd Univ Petr & Minerals, Dept Comp Engr, POB 1585, Dhahran 31261, Saudi Arabia.

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Subject Category: Multidisciplinary Sciences

Record 146 of 313

Author(s): Sheltami, TR (Sheltami, Tarek R.); Mahmoud, AS (Mahmoud, Ashraf S.); Abu-Amara, MH (Abu-Amara, Marwan H.)

Title: An ad hoc wireless sensor network for telemedicine applications

Source: ARABIAN JOURNAL FOR SCIENCE AND ENGINEERING, 32 (1B): 131-143 APR 2007

Addresses: King Fahd Univ Petr & Minerals, Dept Comp Engr, Dhahran 31261, Saudi Arabia

Reprint Address: Sheltami, TR, King Fahd Univ Petr & Minerals, Dept Comp Engr, Box 89, Dhahran 31261, Saudi Arabia.

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Subject Category: Multidisciplinary Sciences

Record 147 of 313

Author(s): Chanane, B (Chanane, B.)

Title: Eigenvalues of Sturm-Liouville problems with discontinuity conditions inside a finite interval

Source: APPLIED MATHEMATICS AND COMPUTATION, 188 (2): 1725-1732 MAY 15 2007

Addresses: King Fahd Univ Petr & Minerals, Dept Math Sci, Dhahran 31261, Saudi Arabia

Reprint Address: Chanane, B, King Fahd Univ Petr & Minerals, Dept Math Sci, Dhahran 31261, Saudi Arabia.

E-mail Address: chanane@kfupm.edu.sa

Subject Category: Mathematics, Applied

Record 148 of 313

Author(s): Messaoudi, SA (Messaoudi, Salim A.); Said-Houari, B (Said-Houari, Belkacem); Tatar, NE (Tatar, Nasser-eddine)

Title: Global existence and asymptotic behavior for a fractional differential equation

Source: APPLIED MATHEMATICS AND COMPUTATION, 188 (2): 1955-1962 MAY 15 2007

Addresses: King Fahd Univ Petr & Minerals, Dept Math Sci, Dhahran 31261, Saudi Arabia; Univ Badji Mokhtar, Dept Math, Annaba 23000, Algeria

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Subject Category: Mathematics, Applied

Record 149 of 313

Author(s): Al-Garni, AM (Al-Garni, Abdullah M.)

Title: Low speed calibration of hot-wire anemometers

Source: FLOW MEASUREMENT AND INSTRUMENTATION, 18 (2): 95-98 APR 2007

Addresses: King Fahd Univ Petr & Minerals, Dept Aerosp Engr, Dhahran 31261, Saudi Arabia

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E-mail Address: amg@kfupm.edu.sa

Subject Category: Engineering, Mechanical; Instruments & Instrumentation

Record 150 of 313

Author(s): Masood, A (Masood, Asif); Sarfraz, M (Sarfraz, M.)

Title: Corner detection by sliding rectangles along planar curves

Source: COMPUTERS & GRAPHICS-UK, 31 (3): 440-448 JUN 2007

Addresses: King Fahd Univ Petr & Minerals, Dept Informat & Comp Sci, Dhahran 31261, Saudi Arabia; Univ Engn & Technol, Comp Sci & Engr Dept, Lahore, Pakistan

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E-mail Address: asif@uet.edu.pk; sarfraz@kfupm.edu.sa

Subject Category: Computer Science, Software Engineering

Author(s): Alassar, RS (Alassar, R. S.); Badr, HA (Badr, H. A.)

Title: Heat convection from a sphere placed in a fluctuating free stream

Source: AIChE JOURNAL, 53 (7): 1670-1677 JUL 2007

Addresses: King Fahd Univ Petr & Minerals, Dept Math Sci, Dhahran, Saudi Arabia; King Fahd Univ Petr & Minerals, Dept Mech Engr, Dhahran, Saudi Arabia

Reprint Address: Alassar, RS, King Fahd Univ Petr & Minerals, Dept Math Sci, Dhahran, Saudi Arabia.

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Subject Category: Engineering, Chemical

Record 152 of 313

Author(s): Bourbia, O (Bourbia, O.); Achour, S (Achour, S.); Tabet, N (Tabet, N.); Parlinska, M (Parlinska, M.); Harabi, A (Harabi, A.)

Title: Effect of tantalum addition on microstructure and optical properties of TiN thin films

Source: THIN SOLID FILMS, 515 (17): 6758-6764 JUN 13 2007

Addresses: KFUPM, Dept Phys, Surface Sci Lab, Dhahran 312761, Saudi Arabia; Univ Mentouri, Ceram Lab, Constantine 250001, Algeria; Ecole Polytech Fed Lausanne, Inst Phys Complex Matter, CH-1015 Lausanne, Switzerland

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E-mail Address: natabet@kfupm.edu.sa

Subject Category: Materials Science, Multidisciplinary; Materials Science, Coatings & Films; Physics, Applied; Physics, Condensed Matter

Record 153 of 313

Author(s): Saad, M (Saad, M.); Yilbas, BS (Yilbas, B. S.); Shuja, SZ (Shuja, S. Z.)

Title: Laser pulse heating: modelling of cavity formation

Source: PROCEEDINGS OF THE INSTITUTION OF MECHANICAL ENGINEERS PART C-JOURNAL OF MECHANICAL ENGINEERING SCIENCE, 221 (3): 307-328 MAR 2007

Addresses: King Fahd Univ Petr & Minerals, Dept Mech Engr, Dhahran 31261, Saudi Arabia

Reprint Address: Yilbas, BS, King Fahd Univ Petr & Minerals, Dept Mech Engr, PO Box 1913, Dhahran 31261, Saudi Arabia.

E-mail Address: bsyilbas@kfupm.edu.sa

Subject Category: Engineering, Mechanical

Record 154 of 313

Author(s): Sharkawy, RM (Sharkawy, R. M.); Mangoubi, RS (Mangoubi, R. S.); Abdel-Galil, TK (Abdel-Galil, T. K.); Salama, MMA (Salama, M. M. A.); Bartnikas, R (Bartnikas, R.)

Title: SVM classification of contaminating particles in liquid dielectrics using higher order statistics of electrical and acoustic PD measurements

Source: IEEE TRANSACTIONS ON DIELECTRICS AND ELECTRICAL INSULATION, 14 (3): 669-678 JUN 2007

Addresses: Natl Inst Stand, Giza, Egypt; Charles Stark Draper Lab Inc, Cambridge, MA 02139 USA; King Fahd Univ Petr & Minerals, Dhahran 31261, Saudi Arabia; Univ Waterloo, Dept Elect & Comp Engr, Waterloo, ON N2L 3G1, Canada

Reprint Address: Sharkawy, RM, Natl Inst Stand, Giza, Egypt.

Subject Category: Engineering, Electrical & Electronic; Physics, Applied

Record 155 of 313

Author(s): Messaoudi, SA (Messaoudi, Salim A.); Houari, BS (Houari, Belkacem Said)

Title: A blow-up result for a higher-order nonlinear Kirchhoff-type hyperbolic equation

Source: APPLIED MATHEMATICS LETTERS, 20 (8): 866-871 AUG 2007

Addresses: KFUPM, Dept Math Sci, Dhahran 31261, Saudi Arabia; Univ Badji Mokhtar, Dept Math, Annaba 23000, Algeria

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Subject Category: Mathematics, Applied

Record 156 of 313

Author(s): Messaoudi, SA (Messaoudi, Salim A.); Soufyane, A (Soufyane, Abdelaziz)

Title: Boundary stabilization of solutions of a nonlinear system of Timoshenko type

Source: NONLINEAR ANALYSIS-THEORY METHODS & APPLICATIONS, 67 (7): 2107-2121 OCT 1 2007

Addresses: ALHOSN Univ, Fac Engr & Appl Sci, Abu Zaby, U Arab Emirates; King Fahd Univ Petr & Minerals, Dept Math Sci, Dhahran 31261, Saudi Arabia

Reprint Address: Soufyane, A, ALHOSN Univ, Fac Engr & Appl Sci, POB 38772, Abu Zaby, U Arab Emirates.

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Subject Category: Mathematics, Applied; Mathematics

Record 157 of 313

Author(s): Gondal, MA (Gondal, M. A.); Hussain, T (Hussain, T.); Yamani, ZH (Yamani, Z. H.); Bakry, AH (Bakry, A. H.)

Title: Study of hazardous metals in iron slag waste using Laser Induced Breakdown Spectroscopy

Source: JOURNAL OF ENVIRONMENTAL SCIENCE AND HEALTH PART A-TOXIC/HAZARDOUS SUBSTANCES & ENVIRONMENTAL ENGINEERING, 42 (6): 767-775 2007

Addresses: King Fahd Univ Petr & Minerals, Dept Phys, Laser Res Lab, Dhahran 31261,

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Subject Category: Engineering, Environmental; Environmental Sciences

Record 158 of 313

Author(s): Merah, N (Merah, Nekar); Khan, Z (Khan, Z.); Bazoune, A (Bazoune, A.); Saghir, F (Saghir, Farrukh)

Title: Temperature and loading frequency effects on fatigue crack growth in HDPE pipe material

Source: ARABIAN JOURNAL FOR SCIENCE AND ENGINEERING, 31 (2C): 19-30 DEC 2006

Addresses: KFUPM, Mech Engn Dept, Dhahran 31261, Saudi Arabia; Amiantit Fiberglass Ind Ltd, Dammam, Saudi Arabia

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Subject Category: Multidisciplinary Sciences

Record 159 of 313

Author(s): Al-Dheylyan, K (Al-Dheylyan, Khalid); Hafeez, S (Hafeez, Syed)

Title: Tensile failure micromechanisms of 6061 aluminum reinforced with submicron Al₂O₃ metal-matrix composites

Source: ARABIAN JOURNAL FOR SCIENCE AND ENGINEERING, 31 (2C): 89-98 DEC 2006

Addresses: King Fahd Univ Petr & Minerals, Mech Engn Dept, Dhahran 31261, Saudi Arabia

Reprint Address: Al-Dheylyan, K, King Fahd Univ Petr & Minerals, Mech Engn Dept, POB 1986, Dhahran 31261, Saudi Arabia.

E-mail Address: syedhafeez_m@yahoo.com

Subject Category: Multidisciplinary Sciences

Record 160 of 313

Author(s): Qadir, A (Qadir, Asghar)

Title: The generalization of special functions

Source: APPLIED MATHEMATICS AND COMPUTATION, 187 (1): 395-402 APR 1 2007

Addresses: Natl Univ Sci & Technol, Ctr Adv Math & Phys, Rawalpindi, Pakistan; King Fahd Univ Petr & Minerals, Dept Math Sci, Dhahran 31261, Saudi Arabia

Reprint Address: Qadir, A, Natl Univ Sci & Technol, Ctr Adv Math & Phys, Campus Coll Elect & Mech Engn, Peshawar Rd, Rawalpindi, Pakistan.

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Subject Category: Mathematics, Applied

Record 161 of 313

Author(s): Khan, SA (Khan, Sahnun A.); Engelbrecht, AP (Engelbrecht, Andries P.)

Title: A new fuzzy operator and its application to topology design of distributed local area

networks

Source: INFORMATION SCIENCES, 177 (13): 2692-2711 JUL 1 2007

Addresses: Univ Pretoria, Dept Comp Sci, ZA-0002 Pretoria, South Africa

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E-mail Address: engr_ahmeds@yahoo.com; engel@cs.up.ac.za

Subject Category: Computer Science, Information Systems

Record 162 of 313

Author(s): Masoudi, HM (Masoudi, Husain M.)

Title: A stable time-domain beam propagation method for modeling ultrashort optical pulses

Source: IEEE PHOTONICS TECHNOLOGY LETTERS, 19 (9-12): 786-788 MAY-JUN 2007

Addresses: Univ Toronto, Dept Elect & Comp Engr, Emerging Commun Technol Inst, Toronto, ON M5S 3G4, Canada; King Fahd Univ Petr & Minerals, Dept Elect Engr, Dhahran 31261, Saudi Arabia

Reprint Address: Masoudi, HM, Univ Toronto, Dept Elect & Comp Engr, Emerging Commun Technol Inst, Toronto, ON M5S 3G4, Canada.

E-mail Address: husainm@kfupm.edu.sa

Subject Category: Engineering, Electrical & Electronic; Optics; Physics, Applied

Record 163 of 313

Author(s): Elhadidy, MA (Elhadidy, M. A.); Shaahid, SM (Shaahid, S. M.)

Title: Wind resource assessment of eastern coastal region of Saudi Arabia

Source: DESALINATION, 209 (1-3): 199-208 APR 30 2007

Addresses: King Fahd Univ Petr & Minerals, Ctr Engr Res, Inst Res, Dhahran 31261, Saudi Arabia

Reprint Address: Elhadidy, MA, King Fahd Univ Petr & Minerals, Ctr Engr Res, Inst Res, Dhahran 31261, Saudi Arabia.

E-mail Address: mourad_haddadi@yahoo.fr

Subject Category: Engineering, Chemical; Water Resources

Record 164 of 313

Author(s): Al-Shukri, AM (Al-Shukri, A. M.)

Title: Thin film coated energy-efficient glass windows for warm climates

Source: DESALINATION, 209 (1-3): 290-297 APR 30 2007

Addresses: King Fahd Univ Petr & Minerals, Dept Phys, Dhahran, Saudi Arabia

Reprint Address: Al-Shukri, AM, King Fahd Univ Petr & Minerals, Dept Phys, Dhahran, Saudi Arabia.

E-mail Address: alshukri@kfupm.edu.sa

Subject Category: Engineering, Chemical; Water Resources

Record 165 of 313

Author(s): Zaidi, SMJ (Zaidi, S. M. Javid); Rahman, SU (Rahman, S. U.); Redhwi, HH (Redhwi, Halim H.)

Title: R&D activities of fuel cell Research at KFUPM

Source: DESALINATION, 209 (1-3): 319-327 APR 30 2007

Addresses: King Fahd Univ Petr & Minerals, Dhahran 31261, Saudi Arabia

Reprint Address: Zaidi, SMJ, King Fahd Univ Petr & Minerals, Dhahran 31261, Saudi Arabia.

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Subject Category: Engineering, Chemical; Water Resources

Record 166 of 313

Author(s): Hamada, GM (Hamada, G. M.); Hegazy, AA (Hegazy, A. A.)

Title: Sinai well logging compares TDT, CHFR applications

Source: OIL & GAS JOURNAL, 105 (20): 48-+ MAY 28 2007

Addresses: King Fahd Univ Petr & Minerals, Dhahran 31261, Saudi Arabia; Petrobel Co, Cairo, Egypt; Cairo Univ, Cairo, Egypt; Sultan Qaboos Univ, Muscat, Oman; King Saud Univ, Riyadh 11451, Saudi Arabia

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Subject Category: Energy & Fuels; Engineering, Petroleum

Record 167 of 313

Author(s): Maalej, N (Maalej, N.); Asuni, G (Asuni, G.); Al-Dhukair, A (Al-Dhukair, A.); Naqvi, A (Naqvi, A.)

Title: Measurement of the 2-D modulation transfer function for screen-film magnification mammography

Source: MEDICAL PHYSICS, 34 (6): 2354-2354 JUN 2007

Addresses: King Fahd Univ Petr & Minerals, Dhahran 31261, Saudi Arabia

Subject Category: Radiology, Nuclear Medicine & Medical Imaging

Record 168 of 313

Author(s): Furati, KM (Furati, Khaled M.); Tatar, NE (Tatar, Nasser-Eddine)

Title: Long time behavior for a nonlinear fractional model

Source: JOURNAL OF MATHEMATICAL ANALYSIS AND APPLICATIONS, 332 (1): 441-454 AUG 1 2007

Addresses: King Fahd Univ Petr & Minerals, Dept Math Sci, Dhahran 31261, Saudi Arabia

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Subject Category: Mathematics, Applied; Mathematics

Record 169 of 313

Author(s): Abd-El-Barr, MIH (Abd-El-Barr, Mostafa I. H.); Khan, SA (Khan, Salman A.)

Title: Design and analysis of a fault tolerant hybrid mobile scheme

Source: INFORMATION SCIENCES, 177 (12): 2602-2620 JUN 15 2007

Addresses: King Fahd Univ Petr & Minerals, Dept Comp Engrn, CCSE, Dhahran 31261, Saudi Arabia; Kuwait Univ, CFW, Dept Informat Sci, Safat 13060, Kuwait; Univ Victoria,

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Subject Category: Computer Science, Information Systems

Record 170 of 313

Author(s): Al-Khattaf, S (Al-Khattaf, Sulaiman); Tukur, NM (Tukur, Nasir M.); Al-Amer, A (Al-Amer, Adnan)

Title: 1,2,4-trimethylbenzene transformation reaction compared with its transalkylation reaction with toluene over USY zeolite catalyst

Source: INDUSTRIAL & ENGINEERING CHEMISTRY RESEARCH, 46 (13): 4459-4467 JUN 20 2007

Addresses: King Fahd Univ Petr & Minerals, Dept Chem Engr, Dhahran 31261, Saudi Arabia

Reprint Address: Al-Khattaf, S, King Fahd Univ Petr & Minerals, Dept Chem Engr, Dhahran 31261, Saudi Arabia.

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Subject Category: Engineering, Chemical

Record 171 of 313

Author(s): Shuja, SZ (Shuja, S. Z.); Yilbas, BS (Yilbas, B. S.); Shazli, SZ (Shazli, S. Z.)

Title: Laser repetitive pulse heating influence of pulse duty on temperature rise

Source: HEAT AND MASS TRANSFER, 43 (9): 949-955 JUL 2007

Addresses: King Fahd Univ Petr & Minerals, Dhahran 31261, Saudi Arabia

Reprint Address: Yilbas, BS, King Fahd Univ Petr & Minerals, Box 1913, Dhahran 31261, Saudi Arabia.

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Subject Category: Thermodynamics; Mechanics

Record 172 of 313

Author(s): Rahman, SU (Rahman, S. U.); Mahgoub, KA (Mahgoub, K. A.); Nafees, A (Nafees, Ahmad)

Title: Experimental study of natural convective mass transfer from downward pointing conical surfaces in porous media

Source: JOURNAL OF POROUS MEDIA, 10 (3): 277-286 2007

Addresses: King Fahd Univ Petr & Minerals, Dept Chem Engr, Electrochem Rs Grp, Dhahran 31261, Saudi Arabia

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Subject Category: Thermodynamics; Engineering, Mechanical; Mechanics

Record 173 of 313

Author(s): El-Sebakhy, EA (El-Sebakhy, Emad A.); Hadi, AS (Hadi, Ali S.); Faisal, KA (Faisal, Kanaan A.)

Title: Iterative least squares functional networks classifier

Source: IEEE TRANSACTIONS ON NEURAL NETWORKS, 18 (3): 844-850 MAY 2007

Addresses: King Fahd Univ Petr & Minerals, Coll Comp Sci & Engn, Dept Informat & Comp Sci, Dhahran 31261, Saudi Arabia; Cornell Univ, Dept Stat Sci, Ithaca, NY 14850 USA

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Subject Category: Computer Science, Artificial Intelligence; Computer Science, Hardware & Architecture; Computer Science, Theory & Methods; Engineering, Electrical & Electronic

Record 174 of 313

Author(s): Khan, Z (Khan, Z.); Merah, N (Merah, N.); Saghi, F (Saghi, F.)

Title: Fatigue crack growth process in CPVC pipe couplings

Source: E-POLYMERS: Art. No. 060 JUN 5 2007

Addresses: King Fahd Univ Petr & Minerals, Dept Mech Engn, Dhahran 31261, Saudi Arabia

Reprint Address: Khan, Z, King Fahd Univ Petr & Minerals, Dept Mech Engn, Dhahran 31261, Saudi Arabia.

E-mail Address: zukhan@kfupm.edu.sa

Subject Category: Polymer Science

Record 175 of 313

Author(s): Chanane, B (Chanane, B.)

Title: Computing the eigenvalues of singular Sturm-Liouville problems using the regularized sampling method

Source: APPLIED MATHEMATICS AND COMPUTATION, 184 (2): 972-978 JAN 15 2007

Addresses: King Fahd Univ Petr & Minerals, Dept Math Sci, Dhahran 31261, Saudi Arabia

Reprint Address: Chanane, B, King Fahd Univ Petr & Minerals, Dept Math Sci, Dhahran 31261, Saudi Arabia.

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Subject Category: Mathematics, Applied

Record 176 of 313

Author(s): Gondal, MA (Gondal, M. A.); Hussain, T (Hussain, T.); Yarnani, ZH (Yarnani, Z. H.); Baig, MA (Baig, M. A.)

Title: The role of various binding materials for trace elemental analysis of powder samples using laser-induced breakdown spectroscopy

Source: TALANTA, 72 (2): 642-649 APR 30 2007

Addresses: King Fahd Univ Petr & Minerals, Laser Res Lab, Dept Phys, Dhahran 31261, Saudi Arabia; NUST, Inst Environm Sci & Engn, Rawalpindi, Pakistan

Reprint Address: Gondal, MA, King Fahd Univ Petr & Minerals, Laser Res Lab, Dept Phys, Dhahran 31261, Saudi Arabia.

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Subject Category: Chemistry, Analytical

Record 177 of 313

Author(s): Yakuphanoglu, F (Yakuphanoglu, F.); Bilgin-Eran, B (Bilgin-Eran, B.); Ocak, H (Ocak, H.); Oweimreen, GA (Oweimreen, G. A.)

Title: Conductance and dielectric anisotropy properties of 4-cyano-4'-hexylbiphenyl-salicylalimine compound composite liquid crystal exhibiting large positive dielectric anisotropy

Source: PHYSICA B-CONDENSED MATTER, 393 (1-2): 270-274 APR 30 2007

Addresses: Firat Univ, Dept Phys, TR-23169 Elazig, Turkey; Yildiz Tech Univ, Dept Chem, TR-34210 Istanbul, Turkey; King Fahd Univ Petr & Minerals, Dept Chem, Dhahran 31261, Saudi Arabia

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Subject Category: Physics, Condensed Matter

Record 178 of 313

Author(s): Allam, IM (Allam, I. M.); Gasem, ZM (Gasem, Z. M.)

Title: High temperature corrosion of alloy Haynes 556 in carburizing/oxidizing environments

Source: MATERIALS AND CORROSION-WERKSTOFFE UND KORROSION, 58 (4): 245-253 APR 2007

Addresses: King Fahd Univ Petr & Minerals, Dept Mech Engr, Dhahran 31261, Saudi Arabia

Reprint Address: Allam, IM, King Fahd Univ Petr & Minerals, Dept Mech Engr, Dhahran 31261, Saudi Arabia.

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Subject Category: Materials Science, Multidisciplinary; Metallurgy & Metallurgical Engineering

Record 179 of 313

Author(s): Alhaidari, AD (Alhaidari, A. D.)

Title: Representation reduction and solution space contraction in quasi-exactly solvable systems

Source: JOURNAL OF PHYSICS A-MATHEMATICAL AND THEORETICAL, 40 (24): 6305-6328 JUN 15 2007

Addresses: King Fahd Univ Petr & Minerals, Dept Phys, Dhahran 31261, Saudi Arabia; Shura Council, Riyadh 11212, Saudi Arabia

Reprint Address: Alhaidari, AD, Shura Council, Riyadh 11212, Saudi Arabia.

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Subject Category: Physics, Multidisciplinary; Physics, Mathematical

Record 180 of 313

Author(s): Habib, MA (Habib, M. A.); Badr, HM (Badr, H. M.); Ben-Mansour, R (Ben-Mansour, R.); Kabir, ME (Kabir, M. E.)

Title: Erosion rate correlations of a pipe protruded in an abrupt pipe contraction

Source: INTERNATIONAL JOURNAL OF IMPACT ENGINEERING, 34 (8): 1350-1369 AUG

2007

Addresses: King Fahd Univ Petr & Minerals, Dept Mech Engr, Dhahran 31261, Saudi Arabia

Reprint Address: Habib, MA, King Fahd Univ Petr & Minerals, Dept Mech Engr, Dhahran 31261, Saudi Arabia.

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Subject Category: Engineering, Mechanical; Mechanics

Record 181 of 313

Author(s): Abuelma'atti, MT (Abuelma'atti, M. T.); Abuelmaatti, AMT (Abuelmaatti, Ali M. T.)

Title: Harmonic and intermodulation performance of class-AB stages

Source: INTERNATIONAL JOURNAL OF ELECTRONICS, 94 (3): 303-315 2007

Addresses: King Fahd Univ Petr & Minerals, Dhahran 31261, Saudi Arabia; Univ Glasgow, Dept Elect & Elect Engr, Glasgow G12 8LT, Lanark, Scotland

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Subject Category: Engineering, Electrical & Electronic

Record 182 of 313

Author(s): Masoud, AA (Masoud, Ahmad A.)

Title: Decentralized self-organizing potential field-based control for individually motivated mobile agents in a cluttered environment: A vector-harmonic potential field approach

Source: IEEE TRANSACTIONS ON SYSTEMS MAN AND CYBERNETICS PART A-SYSTEMS AND HUMANS, 37 (3): 372-390 MAY 2007

Addresses: King Fahd Univ Petr & Minerals, Dept Elect Engr, Dhahran 31261, Saudi Arabia

Reprint Address: Masoud, AA, King Fahd Univ Petr & Minerals, Dept Elect Engr, Dhahran 31261, Saudi Arabia.

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Subject Category: Computer Science, Cybernetics; Computer Science, Theory & Methods

Record 183 of 313

Author(s): Al-Dulaijan, SU (Al-Dulaijan, Salah U.)

Title: Sulfate resistance of plain and blended cements exposed to magnesium sulfate solutions

Source: CONSTRUCTION AND BUILDING MATERIALS, 21 (8): 1792-1802 AUG 2007

Addresses: King Fahd Univ Petr & Minerals, Inst Res, Engr Res Ctr, Dept Civil Engr, Dhahran 31261, Saudi Arabia

Reprint Address: Al-Dulaijan, SU, King Fahd Univ Petr & Minerals, Inst Res, Engr Res Ctr, Dept Civil Engr, Dhahran 31261, Saudi Arabia.

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Subject Category: Construction & Building Technology; Materials Science, Multidisciplinary

Record 184 of 313

Author(s): Maslehuddin, M (Maslehuddin, M.); Al-Zahrani, MM (Al-Zahrani, M. M.); Ibrahim, M (Ibrahim, M.); Al-Mehthel, MH (Al-Mehthel, M. H.); Al-Idi, SH (Al-Idi, S. H.)

Title: Effect of chloride concentration in soil on reinforcement corrosion

Source: CONSTRUCTION AND BUILDING MATERIALS, 21 (8): 1825-1832 AUG 2007

Addresses: King Fahd Univ Petr & Minerals, Res Inst, Engn Res Ctr, Dhahran 31261, Saudi Arabia; Saudi Aramco, Consulting Serv Dept, Dhahran, Saudi Arabia

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Subject Category: Construction & Building Technology; Materials Science, Multidisciplinary

Record 185 of 313

Author(s): Yilbas, BS (Yilbas, B. S.); Arif, AFM (Arif, A. F. M.); Karatas, C (Karatas, C.); Ahsan, M (Ahsan, M.)

Title: Cemented carbide cutting tool: Laser processing and thermal stress analysis

Source: APPLIED SURFACE SCIENCE, 253 (12): 5544-5552 APR 15 2007

Addresses: King Fahd Univ Petr & Minerals, Dept Mech Engn, Dhahran 31261, Saudi Arabia; Hacettepe Univ, Fac Engn, Ankara, Turkey

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Subject Category: Chemistry, Physical; Materials Science, Coatings & Films; Physics, Applied; Physics, Condensed Matter

Record 186 of 313

Author(s): Abuelma'atti, MT (Abuelma'atti, Muhammad Taher)

Title: Large signal performance of micromachined silicon condenser microphones

Source: APPLIED ACOUSTICS, 68 (6): 616-627 JUN 2007

Addresses: King Fahd Univ Petr & Minerals, Dhahran 31261, Saudi Arabia

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Subject Category: Acoustics

Record 187 of 313

Author(s): Wazeer, MIM (Wazeer, Mohammed I. M.); Isab, AA (Isab, Anvarhusein A.); Fettouhi, M (Fettouhi, Mohammed)

Title: New cadmium chloride complexes with imidazolidine-2-thione and its derivatives: X-ray structures, solid, state and solution NMR and antimicrobial activity studies

Source: POLYHEDRON, 26 (8): 1725-1730 MAY 21 2007

Addresses: King Fahd Univ Petr & Minerals, Dept Chem, Dhahran 31261, Saudi Arabia

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Subject Category: Chemistry, Inorganic & Nuclear; Crystallography

Record 188 of 313

Author(s): Alhaidari, AD (Alhaidari, A. D.); Bahlouli, H (Bahlouli, H.); Abdelmonem, MS (Abdelmonem, M. S.); Al-Ameen, F (Al-Ameen, F.); Al-Abdulaal, T (Al-Abdulaal, T.)

Title: Regularization in the J-matrix method of scattering revisited

Source: PHYSICS LETTERS A, 364 (5): 372-377 MAY 7 2007

Addresses: Shura Council, Riyadh 11212, Saudi Arabia; King Fahd Univ Petr & Minerals, Dept Phys, Dhahran 31261, Saudi Arabia; Girls Coll Sci, Dammam 31113, Saudi Arabia

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Subject Category: Physics, Multidisciplinary

Record 189 of 313

Author(s): Alhaidari, AD (Alhaidari, A. D.)

Title: Relativistic extension of the complex scaling method

Source: PHYSICAL REVIEW A, 75 (4): Art. No. 042707 APR 2007

Addresses: Shura Council, Riyadh 11212, Saudi Arabia; King Fahd Univ Petr & Minerals, Dept Phys, Dhahran 31261, Saudi Arabia

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Subject Category: Optics; Physics, Atomic, Molecular & Chemical

Record 190 of 313

Author(s): Alzaher, H (Alzaher, H.); Al-Ghamdi, M (Al-Ghamdi, M.); Ismail, M (Ismail, M.)

Title: CMOS low-power bandpass IF filter for Bluetooth

Source: IET CIRCUITS DEVICES & SYSTEMS, 1 (1): 7-12 FEB 2007

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Subject Category: Engineering, Electrical & Electronic

Record 191 of 313

Author(s): Abdel-Aal, RE (Abdel-Aal, R. E.)

Title: Predictive modeling of mercury speciation in combustion flue gases using GMDH-based abductive networks

Source: FUEL PROCESSING TECHNOLOGY, 88 (5): 483-491 MAY 2007

Addresses: King Fahd Univ Petr & Minerals, Dept Comp Engn, Dhahran 31261, Saudi Arabia

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E-mail Address: radwan@kfupm.edu.sa

Subject Category: Chemistry, Applied; Energy & Fuels; Engineering, Chemical

Record 192 of 313

Author(s): Badawi, HM (Badawi, Hassan M.)

Title: Conformational equilibrium and normal coordinate analyses of ketenecarboxylic acid $O=C=CH-COOH$

Source: CANADIAN JOURNAL OF ANALYTICAL SCIENCES AND SPECTROSCOPY, 51 (1): 9-16 2006

Addresses: King Fahd Univ Petr & Minerals, Dept Chem, Dhahran 31261, Saudi Arabia

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Subject Category: Chemistry, Analytical; Spectroscopy

Record 193 of 313

Author(s): Wazeer, MIM (Wazeer, Mohammed I. M.); Isab, AA (Isab, Anvarhusein A.); Ahmad, S (Ahmad, Saeed)

Title: Solution and solid-state NMR studies of thiourea, selenourea, N,N-dimethyl selenourea and their Ag(I) complexes

Source: CANADIAN JOURNAL OF ANALYTICAL SCIENCES AND SPECTROSCOPY, 51 (1): 43-48 2006

Addresses: King Fahd Univ Petr & Minerals, Dept Chem, Dhahran 31261, Saudi Arabia

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Subject Category: Chemistry, Analytical; Spectroscopy

Record 194 of 313

Author(s): Badawi, HM (Badawi, Hassan M.)

Title: Normal coordinate and vibrational analyses of 2-aza- and 2-phosphabutadienes

Source: CANADIAN JOURNAL OF ANALYTICAL SCIENCES AND SPECTROSCOPY, 51 (2): 74-83 2006

Addresses: King Fahd Univ Petr & Minerals, Dept Chem, Dhahran 31261, Saudi Arabia

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Subject Category: Chemistry, Analytical; Spectroscopy

Record 195 of 313

Author(s): Badawi, HM (Badawi, Hassan M.)

Title: Structural stability and vibrational analysis of dihalophosphoric acids HO-POX₂ and aminophosponic dihalides NH₂-POX₂ (X = F, Cl)

Source: CANADIAN JOURNAL OF ANALYTICAL SCIENCES AND SPECTROSCOPY, 51 (4): 215-224 2006

Addresses: King Fahd Univ Petr & Minerals, Dept Chem, Dhahran 31261, Saudi Arabia

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Subject Category: Chemistry, Analytical; Spectroscopy

Record 196 of 313

Author(s): Zummo, SA (Zummo, Salam A.)

Title: Performance analysis of coded cooperation diversity in wireless networks

Source: WIRELESS COMMUNICATIONS & MOBILE COMPUTING, 7 (4): 473-481 MAY 2007

Addresses: King Fahd Univ Petr & Minerals, Dept Elect Engr, Dhahran 31261, Saudi Arabia

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Subject Category: Computer Science, Information Systems; Engineering, Electrical & Electronic; Telecommunications

Record 197 of 313

Author(s): Al-Kuhaili, MF (Al-Kuhaili, M. F.)

Title: Characterization of thin films produced by the thermal evaporation of silver oxide

Source: JOURNAL OF PHYSICS D-APPLIED PHYSICS, 40 (9): 2847-2853 MAY 7 2007

Addresses: King Fahd Univ Petr & Minerals, Dept Phys, Dhahran 31261, Saudi Arabia

Reprint Address: Al-Kuhaili, MF, King Fahd Univ Petr & Minerals, Dept Phys, Dhahran 31261, Saudi Arabia.

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Subject Category: Physics, Applied

Record 198 of 313

Author(s): Fettouhi, M (Fettouhi, Mohammed); Wazeer, MIM (Wazeer, Mohamed I. M.); Isab, AA (Isab, Anvarhusein A.)

Title: Zinc halide complexes of imidazolidine-2-thione and its derivatives: X-ray structures, solid state, solution NMR and antimicrobial activity studies

Source: JOURNAL OF COORDINATION CHEMISTRY, 60 (4): 369-377 FEB 20 2007

Addresses: King Fahd Univ Petr & Minerals, Dept Chem, Dhahran 31261, Saudi Arabia

Reprint Address: Isab, AA, King Fahd Univ Petr & Minerals, Dept Chem, Dhahran 31261, Saudi Arabia.

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Subject Category: Chemistry, Inorganic & Nuclear

Record 199 of 313

Author(s): Al-Yamani, A (Al-Yamani, Ahmad); Devta-Prasanna, N (Devta-Prasanna, Narendra); Chmelar, E (Chmelar, Erik); Grinchuk, M (Grinchuk, Mikhail); Gunda, A (Gunda, Arun)

Title: Scan test cost and power reduction through systematic scan reconfiguration

Source: IEEE TRANSACTIONS ON COMPUTER-AIDED DESIGN OF INTEGRATED CIRCUITS AND SYSTEMS, 26 (5): 907-918 MAY 2007

Addresses: King Fahd Univ Petr & Minerals, Dhahran 31261, Saudi Arabia; Stanford

Univ, Ctr Reliable Comp, Stanford, CA 94305 USA; Univ Iowa, Elect & Comp Engr Dept, Iowa City, IA 52242 USA; LSI Logic, Milpitas, CA 95035 USA

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Subject Category: Computer Science, Hardware & Architecture; Computer Science, Interdisciplinary Applications; Engineering, Electrical & Electronic

Record 200 of 313

Author(s): Siddiqui, AA (Siddiqui, Azad A.); Mustafa, MT (Mustafa, M. T.)

Title: Wavelet optimized finite difference method with non-static re-gridding

Source: APPLIED MATHEMATICS AND COMPUTATION, 186 (1): 203-211 MAR 1 2007

Addresses: King Fahd Univ Petr & Minerals, Dept Math Sci, Dhahran 31261, Saudi Arabia; Natl Univ Sci & Technol, EME Coll, Rawalpindi, Pakistan

Reprint Address: Mustafa, MT, King Fahd Univ Petr & Minerals, Dept Math Sci, Dhahran 31261, Saudi Arabia.

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Subject Category: Mathematics, Applied

Record 201 of 313

Author(s): Bazoune, A (Bazoune, A.)

Title: Effect of tapering on natural frequencies of rotating beams

Source: SHOCK AND VIBRATION, 14 (3): 169-179 2007

Addresses: King Fahd Univ Petr & Minerals, Dept Mech Engr, Dhahran 31261, Saudi Arabia

Reprint Address: Bazoune, A, King Fahd Univ Petr & Minerals, Dept Mech Engr, KFUPM BOX 579, Dhahran 31261, Saudi Arabia.

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Subject Category: Acoustics; Engineering, Mechanical; Mechanics

Record 202 of 313

Author(s): Bahaidarah, HMS (Bahaidarah, Haitham M. S.)

Title: A numerical study of fluid flow and heat transfer characteristics in channels with staggered wavy walls

Source: NUMERICAL HEAT TRANSFER PART A-APPLICATIONS, 51 (9): 877-898 2007

Addresses: King Fahd Univ Petr & Minerals, Dept Mech Engr, Dhahran 31261, Saudi Arabia

Reprint Address: Bahaidarah, HMS, King Fahd Univ Petr & Minerals, Dept Mech Engr, Dhahran 31261, Saudi Arabia.

E-mail Address: haithamb@kfupm.edu.sa

Subject Category: Thermodynamics; Mechanics

Record 203 of 313

Author(s): Messaoudi, SA (Messaoudi, Salim A.)

Title: Global existence, exponential decay, and blow-up in one-dimensional quasilinear hyperbolic systems: A unified approach

Source: DYNAMICS OF CONTINUOUS DISCRETE AND IMPULSIVE SYSTEMS-SERIES A-MATHEMATICAL ANALYSIS, 14 (3): 387-400 JUN 2007

Addresses: King Fahd Univ Petr & Minerals, Dept Math Sci, Dhahran 31261, Saudi Arabia

Reprint Address: Messaoudi, SA, King Fahd Univ Petr & Minerals, Dept Math Sci, Dhahran 31261, Saudi Arabia.

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Subject Category: Mathematics, Applied

Record 204 of 313

Author(s): Al-Zamil, NO (Al-Zamil, Norah O.); Al-Sadhan, KA (Al-Sadhan, Khulood A.); Isab, AA (Isab, Anvarhusein A.); Wazeer, MIM (Wazeer, Mohamed I. M.); Al-Arfaj, ARA (Al-Arfaj, Abdul Rehman A.)

Title: Silver(I) complexes of imidazolidine-2-thione and triphenylphosphines: Solid-state, solution NMR and antimicrobial activity studies

Source: SPECTROSCOPY-AN INTERNATIONAL JOURNAL, 21 (1): 61-67 2007

Addresses: King Fahd Univ Petr & Minerals, Dept Chem, Dhahran 31261, Saudi Arabia; Girls Coll Dammam, Dept Chem, Dammam, Saudi Arabia

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Subject Category: Spectroscopy

Record 205 of 313

Author(s): Ahmed, S (Ahmed, Shakeel)

Title: Preparation of mesoporous molecular sieve based hydrocracking catalysts

Source: REACTION KINETICS AND CATALYSIS LETTERS, 90 (2): 285-291 APR 2007

Addresses: King Fahd Univ Petr & Minerals, Ctr Refining & Petrochem, Inst Res, Dhahran 31261, Saudi Arabia

Reprint Address: Ahmed, S, King Fahd Univ Petr & Minerals, Ctr Refining & Petrochem, Inst Res, Dhahran 31261, Saudi Arabia.

E-mail Address: shakeel@kfupm.edu.sa

Subject Category: Chemistry, Physical

Record 206 of 313

Author(s): Andrady, AL (Andrady, A. L.); Hamid, HS (Hamid, H. S.); Torikai, A (Torikai, A.)

Title: Effects of stratospheric ozone depletion and climate change on materials damage

Source: PHOTOCHEMICAL & PHOTOBIOLOGICAL SCIENCES, 6 (3): 311-318 2007

Addresses: Res Triangle Inst, Engn Technol Div, Res Triangle Pk, NC 27709 USA; King Fahd Univ Petr & Minerals, Dhahran 31261, Saudi Arabia; Mat Life Soc Japan, Chuo Ku, Tokyo, Japan

Reprint Address: Andrady, AL, Res Triangle Inst, Engn Technol Div, 3040 Cornwallis Rd, Res Triangle Pk, NC 27709 USA.

Subject Category: Biochemistry & Molecular Biology; Biophysics; Chemistry, Physical

Record 207 of 313

Author(s): Ganesh, M (Ganesh, M.); Mustapha, K (Mustapha, K.)

Title: A fully discrete H-1-Galerkin method with quadrature for nonlinear advection-diffusion-reaction equations

Source: NUMERICAL ALGORITHMS, 43 (4): 355-383 2006

Addresses: Colorado Sch Mines, Dept Math & Comp Sci, Golden, CO 80401 USA; King Fahd Univ Petr & Minerals, Dept Math Sci, Dhahran 31261, Saudi Arabia

Reprint Address: Ganesh, M, Colorado Sch Mines, Dept Math & Comp Sci, Golden, CO 80401 USA.

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Subject Category: Mathematics, Applied

Record 208 of 313

Author(s): Goh, M (Goh, Mark); Prakash, S (Prakash, Satya); Yeo, R (Yeo, Roland)

Title: Resource-based approach to IT shared services in a manufacturing firm

Source: INDUSTRIAL MANAGEMENT & DATA SYSTEMS, 107 (1-2): 251-270 2007

Addresses: NUS Business Sch, Logist Inst & Fac, Singapore, Singapore; Solectron Corp, Austin, TX USA; King Fahd Univ Petr & Minerals, Coll Ind Management & Mkt, Dhahran 31261, Saudi Arabia

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Subject Category: Computer Science, Interdisciplinary Applications; Engineering, Industrial

Record 209 of 313

Author(s): Seddigi, ZS (Seddigi, Zaki S.); Hossain, GMG (Hossain, G. M. Golzar); Banu, A (Banu, Afroza)

Title: Tetra- $\mu(3)$ -iodo-tetrakis[(cyclohexyldiphenyl-phosphine- κ P)copper(I)]

Source: ACTA CRYSTALLOGRAPHICA SECTION E-STRUCTURE REPORTS ONLINE, 63: m756-m758 Part 3 MAR 2007

Addresses: Univ Dhaka, Dept Chem, Dhaka 1000, Bangladesh; King Fahd Univ Petr & Minerals, Dept Chem, Dhahran 31261, Saudi Arabia; Univ Cardiff Wales, Sch Chem, Cardiff CF10 3AT, Wales

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Subject Category: Crystallography

Record 210 of 313

Author(s): Siddiqui, MAB (Siddiqui, M. A. B.); Aitani, AM (Aitani, A. M.)

Title: FCC gasoline sulfur reduction by additives: A review

Source: PETROLEUM SCIENCE AND TECHNOLOGY, 25 (3-4): 299-313 MAR-APR 2007

Addresses: King Fahd Univ Petr & Minerals, Res Inst, Dhahran 31261, Saudi Arabia

Reprint Address: Aitani, AM, King Fahd Univ Petr & Minerals, Res Inst, Dhahran 31261, Saudi Arabia.

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Subject Category: Energy & Fuels; Engineering, Chemical; Engineering, Petroleum

Record 211 of 313

Author(s): Al-Saadi, AA (Al-Saadi, Abdulaziz A.); Meinander, N (Meinander, Niklas); Laane, J (Laane, Jaan)

Title: The ring-puckering potential energy function and theoretical calculations for silacyclopent-2-ene-d(0) and 1,1-d(2) and the difluoro and dichloro derivatives

Source: JOURNAL OF MOLECULAR SPECTROSCOPY, 242 (1): 17-24 MAR 2007

Addresses: Texas A&M Univ, Dept Chem, College Stn, TX 77843 USA; King Fahd Univ Petr & Minerals, Dept Chem, Dhahran 31261, Saudi Arabia; Natl Def Coll, Dept Technol, FIN-00861 Helsinki, Finland

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Subject Category: Physics, Atomic, Molecular & Chemical; Spectroscopy

Record 212 of 313

Author(s): Oncel, AO (Oncel, Ali O.); Wilson, T (Wilson, Tom)

Title: Anomalous seismicity preceding the 1999 Izmit event, NW Turkey

Source: GEOPHYSICAL JOURNAL INTERNATIONAL, 169 (1): 259-270 APR 2007

Addresses: King Fahd Univ Petr & Minerals, Dept Earth Sci, Dhahran, Saudi Arabia; W Virginia Univ, Dept Geol & Geophys, Morgantown, WV 26506 USA

Reprint Address: Oncel, AO, King Fahd Univ Petr & Minerals, Dept Earth Sci, Dhahran, Saudi Arabia.

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Subject Category: Geochemistry & Geophysics

Record 213 of 313

Author(s): Umar, Y (Umar, Yunusa); Morsy, MA (Morsy, M. A.)

Title: Ab initio and DFT studies of the molecular structures and vibrational spectra of succinonitrile

Source: SPECTROCHIMICA ACTA PART A-MOLECULAR AND BIOMOLECULAR SPECTROSCOPY, 66 (4-5): 1133-1140 APR 2007

Addresses: King Fahd Univ Petr & Minerals, Dept Chem, Dhahran 31261, Saudi Arabia

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Subject Category: Spectroscopy

Record 214 of 313

Author(s): Badawi, HM (Badawi, Hassan M.); Forner, W (Forner, Wolfgang)

Title: Conformational analysis and vibrational assignments of 2,2,3,3-tetrafluoro-1-propanol CHF₂CF₂CH₂OH as three-rotors system

Source: SPECTROCHIMICA ACTA PART A-MOLECULAR AND BIOMOLECULAR SPECTROSCOPY, 66 (4-5): 1352-1360 APR 2007

Addresses: King Fahd Univ Petr & Minerals, Dept Chem, Dhahran 31261, Saudi Arabia

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Subject Category: Spectroscopy

Record 215 of 313

Author(s): Hussain, M (Hussain, Mahbub)

Title: Elemental chemistry as a tool of stratigraphic correlation: A case study involving lower Paleozoic Wajid, Saq, and Qasim formations in Saudi Arabia

Source: MARINE AND PETROLEUM GEOLOGY, 24 (2): 91-108 FEB 2007

Addresses: King Fahd Univ Petr & Minerals, Dept Earth Sci, Dhahran 31261, Saudi Arabia

Reprint Address: Hussain, M, King Fahd Univ Petr & Minerals, Dept Earth Sci, Dhahran 31261, Saudi Arabia.

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Subject Category: Geosciences, Multidisciplinary

Record 216 of 313

Author(s): Tawancy, HM (Tawancy, H. M.)

Title: On the intergranular embrittlement of a solid-solution strengthened Fe-base alloy by internal oxidation

Source: JOURNAL OF MATERIALS SCIENCE, 42 (8): 2899-2902 APR 2007

Addresses: King Fahd Univ Petr & Minerals, Inst Res, Engn Res Ctr, Mat Characterizat Lab, Dhahran 31261, Saudi Arabia

Reprint Address: Tawancy, HM, King Fahd Univ Petr & Minerals, Inst Res, Engn Res Ctr, Mat Characterizat Lab, POB 1639, Dhahran 31261, Saudi Arabia.

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Subject Category: Materials Science, Multidisciplinary

Record 217 of 313

Author(s): Darwish, MA (Darwish, M. A.); Ben-Daya, M (Ben-Daya, M.)

Title: Effect of inspection errors and preventive maintenance on a two-stage production inventory system

Source: INTERNATIONAL JOURNAL OF PRODUCTION ECONOMICS, 107 (1): 301-313 MAY 2007

Addresses: King Fahd Univ Petr & Minerals, Dept Syst Engn, Dhahran 31261, Saudi Arabia

Reprint Address: Darwish, MA, King Fahd Univ Petr & Minerals, Dept Syst Engn, Dhahran 31261, Saudi Arabia.

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Subject Category: Engineering, Industrial; Engineering, Manufacturing; Operations Research & Management Science

Record 218 of 313

Author(s): Shuja, SZ (Shuja, S. Z.); Zubair, SM (Zubair, S. M.); Shazli, SZ (Shazli, S. Z.)

Title: Optimization of a finned heat sink array based on thermoeconomic analysis

Source: INTERNATIONAL JOURNAL OF ENERGY RESEARCH, 31 (5): 455-471 APR 2007

Addresses: King Fahd Univ Petr & Minerals, Dept Mech Engn, Dhahran 31261, Saudi Arabia; King Fahd Univ Petr & Minerals, Dept Comp Engn, Dhahran 31261, Saudi Arabia

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Subject Category: Energy & Fuels; Nuclear Science & Technology

Record 219 of 313

Author(s): Mokheimer, EMA (Mokheimer, Esmail M. A.); Al El-Shaarawi, M (Al El-Shaarawi, Maged)

Title: Correlations for maximum possible induced flow rates and heat transfer parameters in open-ended vertical eccentric annuli

Source: INTERNATIONAL COMMUNICATIONS IN HEAT AND MASS TRANSFER, 34 (3): 357-368 MAR 2007

Addresses: King Fahd Univ Petr & Minerals, Dept Mech Engr, Dhahran 31261, Saudi Arabia

Reprint Address: Al El-Shaarawi, M, King Fahd Univ Petr & Minerals, Dept Mech Engr, Dhahran 31261, Saudi Arabia.

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Subject Category: Thermodynamics; Mechanics

Record 220 of 313

Author(s): Atiqullah, M (Atiqullah, M.); Akhtar, MN (Akhtar, M. N.); Moman, AA (Moman, A. A.); Abu-Raqabah, AH (Abu-Raqabah, A. H.); Palackal, SJ (Palackal, S. J.); Al-Muallem, HA (Al-Muallem, H. A.); Hamed, OM (Hamed, O. M.)

Title: Influence of silica calcination temperature on the performance of supported catalyst SiO₂-(BuSnCl₃)-Bu-n/MAO/((BuCp)-Bu-n)(₂)ZrCl₂ polymerizing ethylene without separately feeding the MAO cocatalyst

Source: APPLIED CATALYSIS A-GENERAL, 320: 134-143 MAR 22 2007

Addresses: King Fahd Univ Petr & Minerals, Res Inst, Ctr Refining & Petrochem, Dhahran 31261, Saudi Arabia; SABIC, R&T Ctr, Riyadh 11551, Saudi Arabia; King Fahd Univ Petr & Minerals, Dept Chem, Dhahran, Saudi Arabia

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Subject Category: Chemistry, Physical; Environmental Sciences

Record 221 of 313

Author(s): Azad, H (Azad, H.); Mustafa, MT (Mustafa, M. T.)

Title: Harmonic morphisms of warped product type from Einstein manifolds

Source: ARCHIV DER MATHEMATIK, 88 (4): 368-377 APR 2007

Addresses: King Fahd Univ Petr & Minerals, Dept Math Sci, Dhahran 31261, Saudi Arabia

Reprint Address: Azad, H, King Fahd Univ Petr & Minerals, Dept Math Sci, Dhahran 31261, Saudi Arabia.

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Subject Category: Mathematics

Record 222 of 313

Author(s): Salah, K (Salah, Khaled)

Title: To coalesce or not to coalesce

Source: AEU-INTERNATIONAL JOURNAL OF ELECTRONICS AND COMMUNICATIONS, 61 (4): 215-225 2007

Addresses: King Fahd Univ Petr & Minerals, Dept Informat & Comp Sci, Dhahran 31261, Saudi Arabia

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Subject Category: Engineering, Electrical & Electronic; Telecommunications

Record 223 of 313

Author(s): Mohamed, SS (Mohamed, Sulaiman Syed); Buhari, MI (Buhari, M. I.); Badhusha, A (Badhusha, Akbar)

Title: Impact of Redhat IPv6 router on heterogeneous host connections

Source: INTERNATIONAL JOURNAL OF COMMUNICATION SYSTEMS, 20 (4): 411-426 APR 2007

Addresses: King Fahd Univ Petr & Minerals, Dhahran 31261, Saudi Arabia; Univ Technol Sydney, Sydney, NSW 2007, Australia; Multimedia Univ, FIT, Cyberjaya 63100, Malaysia

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Subject Category: Engineering, Electrical & Electronic; Telecommunications

Record 224 of 313

Author(s): Jamid, HA (Jamid, Husain A.); Khan, MZM (Khan, Md. Zahed M.)

Title: 3-D full-vectorial analysis of strong optical waveguide discontinuities using Pade approximants

Source: IEEE JOURNAL OF QUANTUM ELECTRONICS, 43 (3-4): 343-349 MAR-APR 2007

Addresses: King Fahd Univ Petr & Minerals, Dept Elect Engr, Dhahran 31261, Saudi Arabia; King Fahd Univ Petr & Minerals, Hafr Al Batin Community Coll, Elect & Elect Engr Technol Dept, Hafar al Batin 31991, Saudi Arabia

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Subject Category: Engineering, Electrical & Electronic; Physics, Applied

Record 225 of 313

Author(s): Al-Khattaf, S (Al-Khattaf, S.)

Title: Effect of Y-zeolite acidity on reactions of 1,2,4-trimethylbenzene

Source: ENERGY & FUELS, 21 (2): 646-652 MAR-APR 2007

Addresses: King Fahd Univ Petr & Minerals, Dept Chem Engr, Dhahran 31261, Saudi Arabia

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Subject Category: Energy & Fuels; Engineering, Chemical

Record 226 of 313

Author(s): Baluch, MH (Baluch, M. H.); Rahman, MK (Rahman, M. K.); Al-Gadhib, AH (Al-Gadhib, A. H.); Raza, A (Raza, A.); Zafar, S (Zafar, S.)

Title: Crack minimization model for hot weather concreting

Source: ARABIAN JOURNAL FOR SCIENCE AND ENGINEERING, 31 (1C): 77-91 JUN 2006

Addresses: King Fahd Univ Petr & Minerals, Dept Civil Engr, Dhahran 31261, Saudi Arabia

Reprint Address: Baluch, MH, King Fahd Univ Petr & Minerals, Dept Civil Engr, KFUPM Box 5058, Dhahran 31261, Saudi Arabia.

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Subject Category: Multidisciplinary Sciences

Record 227 of 313

Author(s): Azad, AK (Azad, Abul Kalam); Al-Gahtani, HJ (Al-Gahtani, Husain Jubran); Ahmad, S (Ahmad, Shamsad)

Title: Chloride penetration into silica fume concrete subject to different exposures

Source: ARABIAN JOURNAL FOR SCIENCE AND ENGINEERING, 31 (1C): 93-106 JUN 2006

Addresses: King Fahd Univ Petr & Minerals, Dept Civil Engr, Dhahran 31261, Saudi Arabia

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Subject Category: Multidisciplinary Sciences

Record 228 of 313

Author(s): Maslehuddin, M (Maslehuddin, M.); Al-Amoudi, OSB (Al-Amoudi, O. S. B.); Al-Mehthel, MH (Al-Mehthel, M. H.); Alidi, SH (Alidi, S. H.)

Title: Characteristics of aggregates in Eastern Saudi Arabia and their influence on concrete properties

Source: ARABIAN JOURNAL FOR SCIENCE AND ENGINEERING, 31 (1C): 107-122 JUN 2006

Addresses: King Fahd Univ Petr & Minerals, Inst Res, Engr Res Ctr, Dhahran 31261, Saudi Arabia; Saudi Aramco, Consulting Serv Dept, Dhahran, Saudi Arabia

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Subject Category: Multidisciplinary Sciences

Record 229 of 313

Author(s): Zummo, SA (Zummo, Salam A.)

Title: Throughput of ARQ protocols over Rician, Nakagami and MIMO block fading channels

Source: ARABIAN JOURNAL FOR SCIENCE AND ENGINEERING, 31 (2B): 211-222 OCT 2006

Addresses: King Fahd Univ Petr & Minerals, Dept Elect Engr, Dhahran 31261, Saudi Arabia

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Subject Category: Multidisciplinary Sciences

Record 230 of 313

Author(s): Salah, K (Salah, Khaled)

Title: Two analytical models for evaluating performance of gigabit ethernet hosts

Source: ARABIAN JOURNAL FOR SCIENCE AND ENGINEERING, 31 (2B): 245-263 OCT 2006

Addresses: King Fahd Univ Petr & Minerals, Dept Informat & Comp Sci, Dhahran 3126, Saudi Arabia

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Subject Category: Multidisciplinary Sciences

Record 231 of 313

Author(s): Khiari, FZ (Khiari, F. Z.); Aksoy, A (Aksoy, A.); Al-Haddad, MN (Al-Haddad, M. N.)

Title: Nondestructive elemental analysis of coins using accelerator-based thermal neutrons

Source: ARABIAN JOURNAL FOR SCIENCE AND ENGINEERING, 32 (1A): 43-48 JAN 2007

Addresses: King Fahd Univ Petr & Minerals, Dept Phys, Dhahran 31261, Saudi Arabia; King Fahd Univ Petr & Minerals, Dept Mech Engr, Dhahran 31261, Saudi Arabia

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Subject Category: Multidisciplinary Sciences

Record 232 of 313

Author(s): Abu-Sbeih, MZ (Abu-Sbeih, Mohammad Z.)

Title: Self-dual embeddings of composition graphs

Source: ARABIAN JOURNAL FOR SCIENCE AND ENGINEERING, 32 (1A): 115-119 JAN 2007

Addresses: King Fahd Univ Petr & Minerals, Dept Math Sci, Dhahran 31261, Saudi Arabia

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Subject Category: Multidisciplinary Sciences

Record 233 of 313

Author(s): Butt, MS (Butt, M. Saeed); Akhter, Z (Akhter, Zareen); Bolte, M (Bolte, Michael); Siddiqi, HM (Siddiqi, Humaira M.); Shamsi, E (Shamsi, Ehsan)

Title: 4-Nitro-N-[4-(4-nitrophenoxy)phenyl]benzamide

Source: ACTA CRYSTALLOGRAPHICA SECTION E-STRUCTURE REPORTS ONLINE, 63: O476-O478 Part 2 FEB 2007

Addresses: Quaid I Azam Univ, Dept Chem, Islamabad 45320, Pakistan; Univ Frankfurt, Inst Anorgan Chem, D-60438 Frankfurt, Germany; King Fahd Univ Petr & Minerals, Dept Chem, Dhahran 31261, Saudi Arabia

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Subject Category: Crystallography

Record 234 of 313

Author(s): Sahin, A (Sahin, A.); Ali, AZ (Ali, A. Z.); Saner, S (Saner, S.); Menouar, H (Menouar, H.)

Title: Permeability anisotropy distributions in an Upper Jurassic carbonate reservoir, eastern Saudi Arabia

Source: JOURNAL OF PETROLEUM GEOLOGY, 30 (2): 147-158 APR 2007

Addresses: King Fahd Univ Petr & Minerals, Dhahran 31261, Saudi Arabia

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Subject Category: Energy & Fuels; Engineering, Petroleum; Geosciences, Multidisciplinary

Record 235 of 313

Author(s): Faiz, M (Faiz, M.); Mekki, A (Mekki, A.); Mun, BS (Mun, B. S.); Hussain, Z (Hussain, Z.)

Title: Investigation of vanadium-sodium silicate glasses using XANES spectroscopy

Source: JOURNAL OF ELECTRON SPECTROSCOPY AND RELATED PHENOMENA, 154 (3): 60-62 FEB 2007

Addresses: KFUPM, Dept Phys, Surface Sci Lab, Dhahran, Saudi Arabia; Lawrence Berkeley Lab, Adv Light Source, Berkeley, CA 94720 USA

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Subject Category: Spectroscopy

Record 236 of 313

Author(s): Al-Homidan, S (Al-Homidan, Suliman)

Title: Solving Hankel matrix approximation problem using semidefinite programming

Source: JOURNAL OF COMPUTATIONAL AND APPLIED MATHEMATICS, 202 (2): 304-314 MAY 15 2007

Addresses: King Fahd Univ Petr & Minerals, Dept Math Sci, Dhahran 31261, Saudi Arabia

Reprint Address: Al-Homidan, S, King Fahd Univ Petr & Minerals, Dept Math Sci, POB 119, Dhahran 31261, Saudi Arabia.

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Subject Category: Mathematics, Applied

Record 237 of 313

Author(s): Al-Harathi, YS (Al-Harathi, Yahya S.); Tewfik, AH (Tewfik, Ahmed H.); Alouini, MS (Alouini, Mohamed-Slim)

Title: Multiuser diversity with quantized feedback

Source: IEEE TRANSACTIONS ON WIRELESS COMMUNICATIONS, 6 (1): 330-337 JAN 2007

Addresses: King Fahd Univ Petr & Minerals, Dhahran 31261, Saudi Arabia; Univ Minnesota, Minneapolis, MN 55455 USA; Texas A&M Univ, Doha, Qatar

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Subject Category: Engineering, Electrical & Electronic; Telecommunications

Record 238 of 313

Author(s): Messaoudi, SA (Messaoudi, Salim A.); Tatar, NE (Tatar, Nasser-eddine)

Title: Global existence and uniform stability of solutions for a quasilinear viscoelastic problem

Source: MATHEMATICAL METHODS IN THE APPLIED SCIENCES, 30 (6): 665-680 APR 2007

Addresses: King Fahd Univ Petr & Minerals, Dept Math Sci, Dhahran 31261, Saudi Arabia

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Subject Category: Mathematics, Applied

Record 239 of 313

Author(s): Rahim, A (Rahim, Abdur); Khan, M (Khan, Mehmood)

Title: Optimal determination of production run and initial settings of process parameters for a deteriorating process

Source: INTERNATIONAL JOURNAL OF ADVANCED MANUFACTURING TECHNOLOGY, 32 (7-8): 747-756 APR 2007

Addresses: King Fahd Univ Petr & Minerals, Dept Syst Engr, Dhahran 31261, Saudi Arabia; Univ New Brunswick, Fac Adm, Fredericton, NB E3B 5A3, Canada

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Subject Category: Automation & Control Systems; Engineering, Manufacturing

Record 240 of 313

Author(s): Boucherif, A (Boucherif, Abdelkader); Fiagbedzi, YA (Fiagbedzi, Yawvi A.)

Title: Periodic solutions of nonlinear integrodifferential equations

Source: DYNAMICS OF CONTINUOUS DISCRETE AND IMPULSIVE SYSTEMS-SERIES A-MATHEMATICAL ANALYSIS, 14 (2): 165-175 APR 2007

Addresses: King Fahd Univ Petr & Minerals, Dept Math Sci, Differential Equat Res Lab, Dhahran 31261, Saudi Arabia

Reprint Address: Boucherif, A, King Fahd Univ Petr & Minerals, Dept Math Sci, Differential Equat Res Lab, Box 5046, Dhahran 31261, Saudi Arabia.

Subject Category: Mathematics, Applied

Record 241 of 313

Author(s): Rahimov, I (Rahimov, I.)

Title: Asymptotic behavior of a controlled branching process with continuous state space

Source: STOCHASTIC ANALYSIS AND APPLICATIONS, 25 (2): 337-352 2007

Addresses: King Fahd Univ Petr & Minerals, Dept Math Sci, Dhahran 31261, Saudi Arabia

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Subject Category: Mathematics, Applied; Statistics & Probability

Record 242 of 313

Author(s): Yilbas, BS (Yilbas, Bekir S.); Kassas, M (Kassas, M.)

Title: Laser short-pulse heating of a three layer assembly and the Seebeck effect

Source: LASERS IN ENGINEERING, 16 (5-6): 467-486 2006

Addresses: King Fahd Univ Petr & Minerals, ME & EE Dept, Dhahran 31261, Saudi Arabia

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Subject Category: Materials Science, Multidisciplinary; Optics

Record 243 of 313

Author(s): Karatas, C (Karatas, C.); Yilbas, BS (Yilbas, B. S.); Aleem, A (Aleem, A.); Ahsan, A (Ahsan, A.)

Title: Laser treatment of cemented carbide cutting tool

Source: JOURNAL OF MATERIALS PROCESSING TECHNOLOGY, 183 (2-3): 234-240 MAR 23 2007

Addresses: King Fahd Univ Petr & Minerals, Dept Mech Engn, Dhahran 31261, Saudi Arabia; Univ Hacettepe, Fac Engn, TR-06100 Ankara, Turkey

Reprint Address: Yilbas, BS, King Fahd Univ Petr & Minerals, Dept Mech Engn, Box 1913, Dhahran 31261, Saudi Arabia.

Subject Category: Engineering, Industrial; Engineering, Manufacturing; Materials Science, Multidisciplinary

Record 244 of 313

Author(s): Kahraman, R (Kahraman, Ramazan); Al-Harhi, M (Al-Harhi, Mamdouh); Loughlin, K (Loughlin, Kevin)

Title: Concentration dependence of moisture diffusivity in aluminum particle filled epoxy adhesive in salt solutions

Source: JOURNAL OF ADHESION, 83 (1-3): 183-194 2007

Addresses: King Fahd Univ Petr & Minerals, Dept Chem Engn, Dhahran 31261, Saudi Arabia; Amer Univ Sharjah, Dept Chem Engn, Sharjah, U Arab Emirates

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Subject Category: Engineering, Chemical; Materials Science, Multidisciplinary; Mechanics

Record 245 of 313

Author(s): Al-Awmi, AT (Al-Awmi, Ali T.); Abdel-Magid, YL (Abdel-Magid, Y. L.); Abido, MA (Abido, M. A.)

Title: A particle-swarm-based approach of power system stability enhancement with unified power flow controller

Source: INTERNATIONAL JOURNAL OF ELECTRICAL POWER & ENERGY SYSTEMS, 29 (3): 251-259 MAR 2007

Addresses: Petr Inst, Elect Engr Program, Abu Zaby, U Arab Emirates; King Fahd Univ Petr & Minerals, Dept Elect Engr, Dhahran 31261, Saudi Arabia

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Subject Category: Engineering, Electrical & Electronic

Record 246 of 313

Author(s): Kassas, M (Kassas, M.)

Title: Thermodynamic analysis of a thermoelectric device

Source: INTERNATIONAL JOURNAL OF EXERGY, 4 (2): 168-179 2007

Addresses: King Fahd Univ Petr & Minerals, Dept Elect Engr, Dhahran 31261, Saudi Arabia

Reprint Address: Kassas, M, King Fahd Univ Petr & Minerals, Dept Elect Engr, Box 1151, Dhahran 31261, Saudi Arabia.

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Subject Category: Thermodynamics; Energy & Fuels

Record 247 of 313

Author(s): Naffa, M (Naffa, Mahmoud); Al-Gahtani, HJ (Al-Gahtani, Husain J.)

Title: RBF-based meshless method for large deflection of thin plates

Source: ENGINEERING ANALYSIS WITH BOUNDARY ELEMENTS, 31 (4): 311-317 APR 2007

Addresses: King Fahd Univ Petr & Minerals, Dhahran 31261, Saudi Arabia; Saudi Aramco, Dhahran, Saudi Arabia

Reprint Address: Al-Gahtani, HJ, King Fahd Univ Petr & Minerals, Dhahran 31261, Saudi Arabia.

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Subject Category: Engineering, Multidisciplinary; Mathematics, Interdisciplinary Applications

Record 248 of 313

Author(s): Mahomed, FM (Mahomed, F. M.); Qadir, A (Qadir, Asghar)

Title: Linearization criteria for a system of second-order quadratically semi-linear

ordinary differential equations

Source: NONLINEAR DYNAMICS, 48 (4): 417-422 JUN 2007

Addresses: Natl Univ Sci & Technol, Ctr Adv Math & Phys, Rawalpindi, Pakistan; Univ Witwatersrand, Sch Computat & Appl Math, Ctr Differential Equat Continuum Mech & Applicat, ZA-2050 Wits, South Africa; King Fahd Univ Petr & Minerals, Dept Math Sci, Dhahran 31261, Saudi Arabia

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Subject Category: Engineering, Mechanical; Mechanics

Record 249 of 313

Author(s): Al-Thukair, AA (Al-Thukair, A. A.); Abed, RMM (Abed, R. M. M.); Mohamed, L (Mohamed, L.)

Title: Microbial community of cyanobacteria mats in the intertidal zone of oil-polluted coast of Saudi Arabia

Source: MARINE POLLUTION BULLETIN, 54 (2): 173-179 FEB 2007

Addresses: King Fahd Univ Petr & Minerals, Dept Chem, Dhahran 31261, Saudi Arabia; Max Planck Inst Marine Microbiol, D-28359 Bremen, Germany; Arabian Gulf Univ, Manama, Bahrain

Reprint Address: Al-Thukair, AA, King Fahd Univ Petr & Minerals, Dept Chem, Dhahran 31261, Saudi Arabia.

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Subject Category: Environmental Sciences; Marine & Freshwater Biology

Record 250 of 313

Author(s): Al-Sulaiman, F (Al-Sulaiman, F.); Yilbas, BS (Yilbas, B. S.); Karatas, C (Karatas, C.); Keles, O (Keles, O.); Uslan, I (Uslan, I.); Usta, Y (Usta, Y.); Ahsan, M (Ahsan, M.); Bazoune, A (Bazoune, A.)

Title: Laser cutting of Kevlar and mild steel composite structure: End product quality assessment

Source: JOURNAL OF MATERIALS ENGINEERING AND PERFORMANCE, 16 (1): 22-29 FEB 2007

Addresses: KFUPM, Dhahran, Saudi Arabia; Hacettepe Univ, Ankara, Turkey; Gazi Univ, Ankara, Turkey

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Subject Category: Materials Science, Multidisciplinary

Record 251 of 313

Author(s): Forner, W (Foerner, Wolfgang); Badawi, HM (Badawi, Hassan M.)

Title: Comparison of the conformational stability for several vinylhalomethanes and silanes with experiment using MP2 perturbation theory and DFT

Source: COLLECTION OF CZECHOSLOVAK CHEMICAL COMMUNICATIONS, 72 (1): 15-50 2007

Addresses: King Fahd Univ Petr & Minerals, Dept Chem, Dhahran 31261, Saudi Arabia

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Subject Category: Chemistry, Multidisciplinary

Record 252 of 313

Author(s): Al-Homidan, S (Al-Homidan, Suliman); Ansari, QH (Ansari, Qamrul Hasan)

Title: Systems of quasi-equilibrium problems with lower and upper bounds

Source: APPLIED MATHEMATICS LETTERS, 20 (3): 323-328 MAR 2007

Addresses: King Fahd Univ Petr & Minerals, Dept Math Sci, Dhahran 31261, Saudi Arabia; Aligarh Muslim Univ, Dept Math, Aligarh 202002, Uttar Pradesh, India

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Subject Category: Mathematics, Applied

Record 253 of 313

Author(s): Yibas, BS (Yibas, B. S.); Khaled, M (Khaled, M.); Karatas, C (Karatas, C.); Uslan, I (Uslan, I.); Keles, O (Keles, O.); Usta, Y (Usta, Y.); Ahsan, M (Ahsan, M.)

Title: Electrochemical properties of the laser nitrided surfaces of Ti-W-4V alloy

Source: SURFACE & COATINGS TECHNOLOGY, 201 (3-4): 679-685 OCT 5 2006

Addresses: KFUPM, ME Dept, Dhahran, Saudi Arabia; KFUPM, Dept Chem, Dhahran, Saudi Arabia; Hacettepe Univ, Ankara, Turkey; Gazi Univ, Ankara, Turkey

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Subject Category: Materials Science, Coatings & Films; Physics, Applied

Record 254 of 313

Author(s): Khaled, MM (Khaled, M. M.); Yilbas, BS (Yilbas, B. S.); Al-Qaradawi, IY (Al-Qaradawi, I. Y.); Coleman, PG (Coleman, P. G.); Abdulmalik, D (Abdulmalik, D.); Seddigi, ZS (Seddigi, Z. S.); Abulkibash, A (Abulkibash, A.); Abu-Sharkh, BF (Abu-Sharkh, B. F.); Emad, MM (Emad, M. M.)

Title: Corrosion properties of duplex treated Ti-6Al-4V alloy in chloride media using electrochemical and positron annihilation spectroscopy techniques

Source: SURFACE & COATINGS TECHNOLOGY, 201 (3-4): 932-937 OCT 5 2006

Addresses: King Fahd Univ Petr & Minerals, Dept Chem, Dhahran 31261, Saudi Arabia; King Fahd Univ Petr & Minerals, Dept Mech Engn, Dhahran 31261, Saudi Arabia; Univ Qatar, Dept Phys, Doha, Qatar; Univ Bath, Dept Phys, Bath BA2 7AY, Avon, England; King Fahd Univ Petr & Minerals, Dept Chem Engn, Dhahran 31261, Saudi Arabia

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E-mail Address: mkhaled@kfupm.edu.sa

Subject Category: Materials Science, Coatings & Films; Physics, Applied

Record 255 of 313

Author(s): Arif, AFM (Arif, A. F. M.); Yilbas, BS (Yilbas, B. S.)

Title: Three-point bend testing of HVOF Inconel 625 coating: FEM simulation and experimental investigation

Source: SURFACE & COATINGS TECHNOLOGY, 201 (3-4): 1873-1879 OCT 5 2006

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Subject Category: Materials Science, Coatings & Films; Physics, Applied

Record 256 of 313

Author(s): Yilbas, BS (Yilbas, B. S.); Mansour, SB (Mansour, S. B.)

Title: Laser heating: jet emanating from laser induced cavity

Source: INTERNATIONAL JOURNAL OF THERMAL SCIENCES, 46 (4): 385-398 APR 2007

Addresses: King Fahd Univ Petr & Minerals, Dhahran 31261, Saudi Arabia

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E-mail Address: bsyilbas@kfupm.edu.sa

Subject Category: Thermodynamics; Engineering, Mechanical

Record 257 of 313

Author(s): Bukhari, AA (Bukhari, Alaadin A.)

Title: Investigation of electrochemical treatment processes as a novel technology for municipal wastewater reuse: A parametric and a kinetic study

Source: ARABIAN JOURNAL FOR SCIENCE AND ENGINEERING, 30 (2C): 41-53 DEC 2005

Addresses: King Fahd Univ Petr & Minerals, Dept Civil Engn, Dhahran 31261, Saudi Arabia

Reprint Address: Bukhari, AA, King Fahd Univ Petr & Minerals, Dept Civil Engn, Box 1960, Dhahran 31261, Saudi Arabia.

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Subject Category: Multidisciplinary Sciences

Record 258 of 313

Author(s): Lin, LJ (Lin, Lai-Jiu); Ansari, QH (Hasan Ansari, Qamrul); Huang, YJ (Huang, Yu-Jen)

Title: Some existence results for solutions of generalized vector quasi-equilibrium problems

Source: MATHEMATICAL METHODS OF OPERATIONS RESEARCH, 65 (1): 85-98 FEB 2007

Addresses: Natl Changhua Univ Educ, Dept Math, Changhua 50058, Taiwan; King Fahd Univ Petr & Minerals, Dept Math Sci, Dhahran 31261, Saudi Arabia; Aligarh Muslim Univ, Dept Math, Aligarh, Uttar Pradesh, India

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Subject Category: Operations Research & Management Science; Mathematics, Applied

Record 259 of 313

Author(s): AISunaidi, A (AISunaidi, Abdullah)

Title: Adsorption of semiflexible chains on nanostructured surfaces: Monte Carlo simulations

Source: MACROMOLECULAR THEORY AND SIMULATIONS, 16 (1): 86-92 JAN 16 2007

Addresses: King Fahd Univ Petr & Minerals, Dept Phys, Dhahran 31261, Saudi Arabia

Reprint Address: AlSunaidi, A, King Fahd Univ Petr & Minerals, Dept Phys, Dhahran 31261, Saudi Arabia.

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Subject Category: Polymer Science

Record 260 of 313

Author(s): Bentrchia, A (Bentrchia, Abdelouahab); Zerguine, A (Zerguine, Azzedine); Sheikh, AU (Sheikh, Asrar U.); Benyoucef, M (Benyoucef, Moussa)

Title: A new linear group-wise SIC multiuser detector

Source: IEEE COMMUNICATIONS LETTERS, 11 (2): 176-178 FEB 2007

Addresses: Univ Batna, Fac Engr, Dept Elect, Batna 05000, Algeria; King Fahd Univ Petr & Minerals, Dept Elect Engr, Dhahran 31261, Saudi Arabia

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Subject Category: Telecommunications

Record 261 of 313

Author(s): Islam, MA (Islam, Mohammad Ashraful); Hussein, IA (Hussein, Ibbelwaleed A.); Atiqullah, M (Atiqullah, Muhammad)

Title: Effects of branching characteristics and copolymer composition distribution on non-isothermal crystallization kinetics of metallocene LLDPEs

Source: EUROPEAN POLYMER JOURNAL, 43 (2): 599-610 FEB 2007

Addresses: King Fahd Univ Petr & Minerals, Dept Chem Engr, Dhahran 31261, Saudi Arabia; King Fahd Univ Petr & Minerals, Ctr Refining & Petrochem, Inst Res, Dhahran 31261, Saudi Arabia

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Subject Category: Polymer Science

Record 262 of 313

Author(s): Gandhidasan, P (Gandhidasan, Palanichamy); Abualhamayel, HI (Abualhamayel, Habib I.)

Title: Fog collection as a source of fresh water supply in the Kingdom of Saudi Arabia

Source: WATER AND ENVIRONMENT JOURNAL, 21 (1): 19-25 MAR 2007

Addresses: King Fahd Univ Petr & Minerals, Dept Mech Engr, Dhahran 31261, Saudi Arabia

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Subject Category: Environmental Sciences; Limnology; Water Resources

Record 263 of 313

Author(s): Gondal, MA (Gondal, M. A.); Hussain, T (Hussain, T.)

Title: Determination of poisonous metals in wastewater collected from paint manufacturing plant using laser-induced breakdown spectroscopy

Source: TALANTA, 71 (1): 73-80 JAN 15 2007

Addresses: King Fahd Univ Petr & Minerals, Dept Phys, Laser Res Lab, Dhahran 31261, Saudi Arabia; Natl Univ Sci & Technol, Inst Environm Sci & Engn, Rawalpindi, Pakistan

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Subject Category: Chemistry, Analytical

Record 264 of 313

Author(s): Durrani, SMA (Durrani, S. M. A.)

Title: CO-sensing properties of hafnium oxide thin films prepared by electron beam evaporation

Source: SENSORS AND ACTUATORS B-CHEMICAL, 120 (2): 700-705 JAN 10 2007

Addresses: King Fahd Univ Petr & Minerals, Dept Phys, Dhahran 31261, Saudi Arabia

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Subject Category: Chemistry, Analytical; Electrochemistry; Instruments & Instrumentation

Record 265 of 313

Author(s): Ahmad, A (Ahmad, A.); Bokhari, AH (Bokhari, A. H.); Kara, AH (Kara, A. H.); Zaman, FD (Zaman, F. D.)

Title: Symmetry reductions for 2-dimensional non-linear wave equation

Source: NUOVO CIMENTO DELLA SOCIETA ITALIANA DI FISICA B-GENERAL PHYSICS RELATIVITY ASTRONOMY AND MATHEMATICAL PHYSICS AND METHODS, 121 (6): 571-578 JUN 2006

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Subject Category: Physics, Multidisciplinary

Record 266 of 313

Author(s): Abuelma'atti, MT (Abuelma'atti, Muhammad Taher)

Title: Prediction of gain expansion and intermodulation performance of nonlinear amplifiers

Source: ETRI JOURNAL, 29 (1): 89-94 FEB 2007

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Subject Category: Engineering, Electrical & Electronic; Telecommunications

Record 267 of 313

Author(s): Hussain, T (Hussain, T.); Gondal, MA (Gondal, M. A.); Yamani, ZH (Yamani,

Z. H.); Baig, MA (Baig, M. A.)

Title: Measurement of nutrients in green house soil with laser induced breakdown spectroscopy

Source: ENVIRONMENTAL MONITORING AND ASSESSMENT, 124 (1-3): 131-139 JAN 2007

Addresses: King Fahd Univ Petr & Minerals, Dept Phys, Laser Res Lab, Dhahran 31261, Saudi Arabia; NUST, Inst Environm Sci & Engr, Rawalpindi, Pakistan

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Subject Category: Environmental Sciences

Record 268 of 313

Author(s): McLean, W (McLean, William); Mustapha, K (Mustapha, Kassem)

Title: A second-order accurate numerical method for a fractional wave equation

Source: NUMERISCHE MATHEMATIK, 105 (3): 481-510 JAN 2007

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Subject Category: Mathematics, Applied

Record 269 of 313

Author(s): El-Gebeily, M (El-Gebeily, Mohamed); O'Regan, D (O'Regan, Donal)

Title: Upper and lower solutions and quasilinearization for a class of second order singular nonlinear differential equations with nonlinear boundary conditions

Source: NONLINEAR ANALYSIS-REAL WORLD APPLICATIONS, 8 (2): 636-645 APR 2007

Addresses: King Fahd Univ Petr & Minerals, Dept Math Sci, Dhahran 31261, Saudi Arabia; Natl Univ Ireland Univ Coll Galway, Dept Math, Galway, Ireland

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Subject Category: Mathematics, Applied

Record 270 of 313

Author(s): Ul-Hamid, A (Ul-Hamid, A.); Mohammed, AI (Mohammed, A. I.); Al-Jaroudi, SS (Al-Jaroudi, S. S.); Tawancy, HM (Tawancy, H. M.); Abbas, NM (Abbas, N. M.)

Title: Evolution of oxide scale on a Ni-Mo-Cr alloy at 900 degrees C

Source: MATERIALS CHARACTERIZATION, 58 (1): 13-23 JAN 2007

Addresses: King Fahd Univ Petr & Minerals, Mat Characterizat Lab, Engr Res Ctr, Inst Res, Dhahran 31261, Saudi Arabia

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Subject Category: Materials Science, Characterization & Testing

Record 271 of 313

Author(s): Abdelmonem, MS (Abdelmonem, M. S.); Naqvi, AA (Naqvi, A. A.); Al-Misned, G (Al-Misned, Ghada); Al-Ghamdi, H (Al-Ghamdi, Hanan)

Title: Performance improvement of a PGNA setup due to change in moderator design: A Monte Carlo study

Source: JOURNAL OF RADIOANALYTICAL AND NUCLEAR CHEMISTRY, 271 (3): 685-690 MAR 2007

Addresses: King Fahd Univ Petr & Minerals, Dept Phys, Dhahran 31261, Saudi Arabia; Riyadh Girls Coll, Girls Educ Coll, Riyadh, Saudi Arabia

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Subject Category: Chemistry, Analytical; Chemistry, Inorganic & Nuclear; Nuclear Science & Technology

Record 272 of 313

Author(s): Nagadi, MM (Nagadi, M. M.); Naqvi, AA (Naqvi, A. A.)

Title: Gamma-ray yield dependence on bulk density and moisture content of a sample of a PGNA setup: A Monte Carlo study

Source: JOURNAL OF RADIOANALYTICAL AND NUCLEAR CHEMISTRY, 271 (3): 691-695 MAR 2007

Addresses: King Fahd Univ Petr & Minerals, Dept Phys, Dhahran 31261, Saudi Arabia

Reprint Address: Nagadi, MM, King Fahd Univ Petr & Minerals, Dept Phys, Dhahran 31261, Saudi Arabia.

E-mail Address: mmnagadi@kfupm.edu.sa

Subject Category: Chemistry, Analytical; Chemistry, Inorganic & Nuclear; Nuclear Science & Technology

Record 273 of 313

Author(s): Congedo, G (Congedo, G.); De Paolis, F (De Paolis, F.); Longo, P (Longo, P.); Nucita, AA (Nucita, A. A.); Vetrugno, D (Vetrugno, D.); Qadir, A (Qadir, Asghar)

Title: Gravitational wave scintillation by a stellar cluster

Source: INTERNATIONAL JOURNAL OF MODERN PHYSICS D, 15 (11): 1937-1945 NOV 2006

Addresses: Univ Lecce, Dept Phys, I-73100 Lecce, Italy; Univ Lecce, Ist Nazl Fis Nucl, I-73100 Lecce, Italy; Natl Univ Sci & Technol, Ctr Adv Math & Phys, Rawalpindi, Pakistan; King Fahd Univ Petr & Minerals, Dept Math Sci, Dhahran 31261, Saudi Arabia

Reprint Address: Congedo, G, Univ Lecce, Dept Phys, CP 193, I-73100 Lecce, Italy.

Subject Category: Astronomy & Astrophysics

Record 274 of 313

Author(s): Budaiwi, IM (Budaiwi, Ismail M.)

Title: An approach to investigate and remedy thermal-comfort problems in buildings

Source: BUILDING AND ENVIRONMENT, 42 (5): 2124-2131 MAY 2007

Addresses: King Fahd Univ Petr & Minerals, Architectural Engn Dept, Dhahran 31261, Saudi Arabia

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Subject Category: Construction & Building Technology; Engineering, Environmental; Engineering, Civil

Record 275 of 313

Author(s): Iqbal, I (Iqbal, Imran); Al-Homoud, MS (Al-Homoud, Mohammad S.)

Title: Parametric analysis of alternative energy conservation measures in an office building in hot and humid climate

Source: BUILDING AND ENVIRONMENT, 42 (5): 2166-2177 MAY 2007

Addresses: King Fahd Univ Petr & Minerals, Architectural Engr Dept, Dhahran 31261, Saudi Arabia

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Subject Category: Construction & Building Technology; Engineering, Environmental; Engineering, Civil

Record 276 of 313

Author(s): Al-Kuhaili, MF (Al-Kuhaili, M. F.); Durrani, SMA (Durrani, S. M. A.)

Title: Optical properties of erbium oxide thin films deposited by electron beam evaporation

Source: THIN SOLID FILMS, 515 (5): 2885-2890 JAN 22 2007

Addresses: King Fahd Univ Petr & Minerals, Dept Phys, Dhahran 31261, Saudi Arabia

Reprint Address: Al-Kuhaili, MF, King Fahd Univ Petr & Minerals, Dept Phys, Dhahran 31261, Saudi Arabia.

E-mail Address: kuhaili@kfupm.edu.sa

Subject Category: Materials Science, Multidisciplinary; Materials Science, Coatings & Films; Physics, Applied; Physics, Condensed Matter

Record 277 of 313

Author(s): Isab, AA (Isab, Anvarhusein A.); Wazeer, MIM (Wazeer, Mohammed I. M.)

Title: Synthesis and characterization of thiolate-Ag(I) complexes by solid-state and solution NMR and their antimicrobial activity

Source: SPECTROCHIMICA ACTA PART A-MOLECULAR AND BIOMOLECULAR SPECTROSCOPY, 66 (2): 364-370 FEB 2007

Addresses: King Fahd Univ Petr & Minerals, Dept Chem, Dhahran 31261, Saudi Arabia

Reprint Address: Isab, AA, King Fahd Univ Petr & Minerals, Dept Chem, Dhahran 31261, Saudi Arabia.

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Subject Category: Spectroscopy

Record 278 of 313

Author(s): Al-Kuhaili, MF (Al-Kuhaili, M. F.); Durrani, SMA (Durrani, S. M. A.)

Title: Optical properties of chromium oxide thin films deposited by electron-beam evaporation

Source: OPTICAL MATERIALS, 29 (6): 709-713 FEB 2007

Addresses: King Fahd Univ Petr & Minerals, Dept Phys, Dhahran 31261, Saudi Arabia

Reprint Address: Al-Kuhaili, MF, King Fahd Univ Petr & Minerals, Dept Phys, Dhahran 31261, Saudi Arabia.

E-mail Address: kuhaili@kfupm.edu.sa

Subject Category: Materials Science, Multidisciplinary; Optics

Record 279 of 313

Author(s): Siddiqi, AH (Siddiqi, A. H.); Ahmad, R (Ahmad, Rais)

Title: Ishikawa type iterative algorithm for completely generalized nonlinear quasi-variational-like inclusions in Banach spaces

Source: MATHEMATICAL AND COMPUTER MODELLING, 45 (5-6): 594-605 MAR 2007

Addresses: King Fahd Univ Petr & Minerals, Dept Math Sci, Dhahran, Saudi Arabia; Aligarh Muslim Univ, Dept Math, Aligarh 202002, Uttar Pradesh, India

Reprint Address: Ahmad, R, King Fahd Univ Petr & Minerals, Dept Math Sci, Dhahran, Saudi Arabia.

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Subject Category: Computer Science, Interdisciplinary Applications; Computer Science, Software Engineering; Mathematics, Applied

Record 280 of 313

Author(s): Al-Muntasheri, GA (Al-Muntasheri, Ghaithan A.); Hussein, IA (Hussein, Ibelwaleed A.); Nasr-El-Din, HA (Nasr-El-Din, Hisham A.); Amin, MB (Amin, Mohamed B.)

Title: Viscoelastic properties of a high temperature cross-linked water shut-off polymeric gel

Source: JOURNAL OF PETROLEUM SCIENCE AND ENGINEERING, 55 (1-2): 56-66 JAN 2007

Addresses: King Fahd Univ Petr & Minerals, Dept Chem Engr, Dhahran 31261, Saudi Arabia; Saudi Aramco, Ctr Res & Dev, Dhahran 31311, Saudi Arabia

Reprint Address: Hussein, IA, King Fahd Univ Petr & Minerals, Dept Chem Engr, Dhahran 31261, Saudi Arabia.

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Subject Category: Engineering, Petroleum; Geosciences, Multidisciplinary

Record 281 of 313

Author(s): Mohiuddin, MA (Mohiuddin, M. A.); Khan, K (Khan, K.); Abdulraheem, A (Abdulraheem, A.); Al-Majed, A (Al-Majed, A.); Awal, MR (Awal, M. R.)

Title: Analysis of wellbore instability in vertical, directional, and horizontal wells using field data

Source: JOURNAL OF PETROLEUM SCIENCE AND ENGINEERING, 55 (1-2): 83-92 JAN 2007

Addresses: King Fahd Univ Petr & Minerals, Res Inst, Ctr Petr & Minerals, Dhahran 31261, Saudi Arabia

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Subject Category: Engineering, Petroleum; Geosciences, Multidisciplinary

Record 282 of 313

Author(s): Al-Shuhail, AA (Al-Shuhail, Abdullatif A.)

Title: Fracture-porosity inversion from P-wave AVOA data along 2D seismic lines: An example from the Austin Chalk of southeast Texas

Source: GEOPHYSICS, 72 (1): B1-B7 JAN-FEB 2007

Addresses: King Fahd Univ Petr & Minerals, Dept Earth Sci, Dhahran 31261, Saudi Arabia

Reprint Address: Al-Shuhail, AA, King Fahd Univ Petr & Minerals, Dept Earth Sci, Box 5070, Dhahran 31261, Saudi Arabia.

E-mail Address: ashuhail@kfupm.edu.sa

Subject Category: Geochemistry & Geophysics

Record 283 of 313

Author(s): Hussaini, IS (Hussaini, Irfan S.); Zubair, SM (Zubair, Syed M.); Antar, MA (Antar, M. A.)

Title: Area allocation in multi-zone feedwater heaters

Source: ENERGY CONVERSION AND MANAGEMENT, 48 (2): 568-575 FEB 2007

Addresses: King Fahd Univ Petr & Minerals, Dept Mech Engn, Dhahran 31261, Saudi Arabia

Reprint Address: Zubair, SM, King Fahd Univ Petr & Minerals, Dept Mech Engn, KFUPM Box 1474, Dhahran 31261, Saudi Arabia.

E-mail Address: smzubair@kfupm.edu.sa

Subject Category: Thermodynamics; Energy & Fuels; Mechanics; Physics, Nuclear

Record 284 of 313

Author(s): Rehman, S (Rehman, Shafiqur); Al-Abbadi, NM (Al-Abbadi, Naif M.)

Title: Wind shear coefficients and energy yield for Dhahran, Saudi Arabia

Source: RENEWABLE ENERGY, 32 (5): 738-749 APR 2007

Addresses: King Fahd Univ Petr & Minerals, Ctr Engn Res, Inst Res, Dhahran 31261, Saudi Arabia; King Abdulaziz City Sci & Technol, Energy Res Inst, Riyadh 11442, Saudi Arabia

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Subject Category: Energy & Fuels

Record 285 of 313

Author(s): Rehman, S (Rehman, S.); El-Amin, IM (El-Amin, I. M.); Ahmad, F (Ahmad, F.); Shaahid, SM (Shaahid, S. M.); Al-Shehri, AM (Al-Shehri, A. M.); Bakhashwain, JM (Bakhashwain, J. M.)

Title: Wind power resource assessment for Rafha, Saudi Arabia

Source: RENEWABLE & SUSTAINABLE ENERGY REVIEWS, 11 (5): 937-950 JUN 2007

Addresses: King Fahd Univ Petr & Minerals, Ctr Engn Res, Dhahran 31261, Saudi Arabia; King Fahd Univ Petr & Minerals, Dept Elect Engn, Dhahran 31261, Saudi Arabia

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Subject Category: Energy & Fuels

Record 286 of 313

Author(s): Zerguine, A (Zerguine, Azzedine)

Title: Convergence and steady-state analysis of the normalized least mean fourth algorithm

Source: DIGITAL SIGNAL PROCESSING, 17 (1): 17-31 JAN 2007

Addresses: King Fahd Univ Petr & Minerals, Dept Elect Engr, Dhahran 31261, Saudi Arabia

Reprint Address: Zerguine, A, King Fahd Univ Petr & Minerals, Dept Elect Engr, Dhahran 31261, Saudi Arabia.

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Subject Category: Engineering, Electrical & Electronic

Record 287 of 313

Author(s): Bokhari, AH (Bokhari, A. H.); Kara, AH (Kara, A. H.); Zaman, FD (Zaman, F. D.)

Title: Exact solutions of some general nonlinear wave equations in elasticity

Source: NONLINEAR DYNAMICS, 48 (1-2): 49-54 APR 2007

Addresses: Univ Witwatersrand, Sch Math, ZA-2050 Wits, Johannesburg, South Africa; Univ Witwatersrand, Ctr Differential Equat Continuum Mech & Applicat, ZA-2050 Wits, Johannesburg, South Africa; King Fahd Univ Petr & Minerals, Dept Math Sci, Dhahran 31261, Saudi Arabia

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Subject Category: Engineering, Mechanical; Mechanics

Record 288 of 313

Author(s): Tawancy, HM (Tawancy, Hani M.); UI-Hamid, A (UI-Hamid, Anwar); Abbas, NM (Abbas, Nureddin M.)

Title: Failure analysis of a lube oil carbon steel pipe

Source: MATERIALS TECHNOLOGY, 21 (4): 235-236 DEC 2006

Addresses: King Fahd Univ Petr & Minerals, Res Inst, Dhahran 31261, Saudi Arabia

Reprint Address: UI-Hamid, A, King Fahd Univ Petr & Minerals, Res Inst, POB 1073, Dhahran 31261, Saudi Arabia.

E-mail Address: anwarhamid@yahoo.com

Subject Category: Materials Science, Multidisciplinary

Record 289 of 313

Author(s): Ahmad, S (Ahmad, Saeed); Isab, AA (Isab, Anvarhusein A.); Ali, S (Ali, Saqib)

Title: Structural and mechanistic aspects of platinum anticancer agents

Source: TRANSITION METAL CHEMISTRY, 31 (8): 1003-1016 NOV 2006

Addresses: Univ Engn & Technol, Dept Chem, Lahore, Pakistan; King Fahd Univ Petr & Minerals, Dept Chem, Dhahran, Saudi Arabia; Quaid I Azam Univ, Dept Chem, Islamabad, Pakistan

Reprint Address: Ahmad, S, Univ Engn & Technol, Dept Chem, Lahore, Pakistan.

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Subject Category: Chemistry, Inorganic & Nuclear

Record 290 of 313

Author(s): Al-Jarallah, MI (Al-Jarallah, M. I.); Fazal-ur-Rehman (Fazal-ur-Rehman)

Title: Indoor radon concentration measurement in the dwellings of Al-Jauf region of Saudi Arabia

Source: RADIATION PROTECTION DOSIMETRY, 121 (3): 293-296 DEC 2006

Addresses: King Fahd Univ Petr & Minerals, Dept Phys, Dhahran 31261, Saudi Arabia

Reprint Address: Al-Jarallah, MI, King Fahd Univ Petr & Minerals, Dept Phys, Dhahran 31261, Saudi Arabia.

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Subject Category: Environmental Sciences; Public, Environmental & Occupational Health; Nuclear Science & Technology; Radiology, Nuclear Medicine & Medical Imaging

Record 291 of 313

Author(s): Yilbas, BS (Yilbas, B. S.); Al-Ageeli, N (Al-Ageeli, N.)

Title: Thermal stresses due to exponentially decaying laser pulses and a convection boundary at the surface

Source: LASERS IN ENGINEERING, 16 (3-4): 235-265 2006

Addresses: KFUPM, ME Dept, Dhahran, Saudi Arabia

Reprint Address: Yilbas, BS, KFUPM, ME Dept, Dhahran, Saudi Arabia.

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Subject Category: Materials Science, Multidisciplinary; Optics

Record 292 of 313

Author(s): Al-Khattaf, S (Al-Khattaf, S.)

Title: Xylenes reactions and diffusions in ZSM-5 zeolite-based catalyst

Source: INDUSTRIAL & ENGINEERING CHEMISTRY RESEARCH, 46 (1): 59-69 JAN 3 2007

Addresses: King Fahd Univ Petr & Minerals, Dept Chem Engn, Dhahran 31261, Saudi Arabia

Reprint Address: Al-Khattaf, S, King Fahd Univ Petr & Minerals, Dept Chem Engn, Dhahran 31261, Saudi Arabia.

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Subject Category: Engineering, Chemical

Record 293 of 313

Author(s): Faiz, M (Faiz, M.); Tabet, N (Tabet, N.); Mekki, A (Mekki, A.); Mun, BS (Mun, B. S.); Hussain, Z (Hussain, Z.)

Title: X-ray absorption near edge structure investigation of vanadium-doped ZnO thin

films

Source: THIN SOLID FILMS, 515 (4): 1377-1379 DEC 5 2006

Addresses: KFUPM, Dept Phys, Surface Sci Lab, Dhahran, Saudi Arabia; Lawrence Berkeley Lab, Adv Light Source, Berkeley, CA 94720 USA

Reprint Address: Faiz, M, KFUPM, Dept Phys, Surface Sci Lab, Dhahran, Saudi Arabia.

Subject Category: Materials Science, Multidisciplinary; Materials Science, Coatings & Films; Physics, Applied; Physics, Condensed Matter

Record 294 of 313

Author(s): Badawi, HM (Badawi, Hassan M.)

Title: Structural stability, S-O rotational barrier and vibrational analyses of monomeric non-planar halosulfonic acids X-SO₂-OH (X = F, Cl and Br)

Source: SPECTROCHIMICA ACTA PART A-MOLECULAR AND BIOMOLECULAR SPECTROSCOPY, 66 (1): 194-198 JAN 2007

Addresses: King Fahd Univ Petr & Minerals, Dept Chem, Dhahran 31261, Saudi Arabia

Reprint Address: Badawi, HM, King Fahd Univ Petr & Minerals, Dept Chem, Dhahran 31261, Saudi Arabia.

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Subject Category: Spectroscopy

Record 295 of 313

Author(s): Rehman, S (Rehman, S.); El-Amin, IM (El-Amin, I. M.); Ahmad, F (Ahmad, F.); Shaahid, SM (Shaahid, S. M.); Al-Shehri, AM (Al-Shehri, A. M.); Bakhawain, JM (Bakhawain, J. M.); Shash, A (Shash, A.)

Title: Feasibility study of hybrid retrofits to an isolated off-grid diesel power plant

Source: RENEWABLE & SUSTAINABLE ENERGY REVIEWS, 11 (4): 635-653 MAY 2007

Addresses: King Fahd Univ Petr & Minerals, Engr Res Ctr, Dhahran 31261, Saudi Arabia; King Fahd Univ Petr & Minerals, Dept Elect Engr, Dhahran 31261, Saudi Arabia

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Subject Category: Energy & Fuels

Record 296 of 313

Author(s): Naqvi, AA (Naqvi, A. A.); Nagadi, MM (Nagadi, M. M.); Al-Amoudi, OSB (Al-Amoudi, O. S. B.)

Title: Interferences in Prompt gamma Analysis of corrosive contaminants in concrete

Source: NUCLEAR INSTRUMENTS & METHODS IN PHYSICS RESEARCH SECTION A-ACCELERATORS SPECTROMETERS DETECTORS AND ASSOCIATED EQUIPMENT, 569 (3): 803-809 DEC 21 2006

Addresses: King Fahd Univ Petr & Minerals, Dept Phys, Dhahran 31261, Saudi Arabia; King Fahd Univ Petr & Minerals, Dept Civil Engr, Dhahran 31261, Saudi Arabia

Reprint Address: Naqvi, AA, King Fahd Univ Petr & Minerals, Dept Phys, Box 1815, Dhahran 31261, Saudi Arabia.

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Subject Category: Instruments & Instrumentation; Nuclear Science & Technology; Physics, Particles & Fields; Spectroscopy

Record 297 of 313

Author(s): Hussain, MS (Hussain, M. Sakhawat); Awan, SA (Awan, S. A.); Seddigi, ZS (Seddigi, Z. S.); Ashraf, MW (Ashraf, M. W.); Khan, MA (Khan, M. A.)

Title: Chain transfer in pulsed laser polymerization of methylmethacrylate in the presence of different cobalt(II) [Co(dmg-2H)(2) (BF2)(2)] and [Co(afdo-2H)(2) (BF2)(2)] complexes

Source: JOURNAL OF PHOTOCHEMISTRY AND PHOTOBIOLOGY A-CHEMISTRY, 184 (1-2): 58-65 NOV 15 2006

Addresses: King Fahd Univ Petr & Minerals, Dept Phys, Laser Res Labs, Dhahran 31261, Saudi Arabia; King Fahd Univ Petr & Minerals, Dept Chem, Dhahran 31261, Saudi Arabia

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Subject Category: Chemistry, Physical

Record 298 of 313

Author(s): Bokhari, AH (Bokhari, A. H.); Kara, AH (Kara, A. H.); Zaman, FD (Zaman, F. D.)

Title: Invariant solutions of certain nonlinear evolution type equations with small parameters

Source: APPLIED MATHEMATICS AND COMPUTATION, 182 (2): 1075-1082 NOV 15 2006

Addresses: King Fahd Univ Petr & Minerals, Dept Math Sci, Dhahran 31261, Saudi Arabia; Univ Witwatersrand, Sch Math, ZA-2050 Johannesburg, South Africa; Univ Witwatersrand, Ctr Differential Equat Continuum Mech & Applicat, ZA-2050 Johannesburg, South Africa

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Subject Category: Mathematics, Applied

Record 299 of 313

Author(s): Samman, M (Samman, Mohammad)

Title: On the representation of DG seminear-rings

Source: ALGEBRA COLLOQUIUM, 14 (1): 79-84 MAR 2007

Addresses: King Fahd Univ Petr & Minerals, Dept Math Sci, Dhahran 31261, Saudi Arabia

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Subject Category: Mathematics, Applied; Mathematics

Record 300 of 313

Author(s): Tawancy, HM (Tawancy, H. M.); UI-Hamid, A (UI-Hamid, A.); Mohammed, AI (Mohammed, A. I.); Abbas, NM (Abbas, N. M.)

Title: Effect of materials selection and design on the performance of an engineering product - An example from petrochemical industry

Source: MATERIALS & DESIGN, 28 (2): 686-703 2007

Addresses: King Fahd Univ Petr & Minerals, Inst Res, Mat Characterizat Lab, Ctr Engr Res, Dhahran 31261, Saudi Arabia

Reprint Address: Ul-Hamid, A, King Fahd Univ Petr & Minerals, Inst Res, Mat Characterizat Lab, Ctr Engr Res, POB 1073, Dhahran 31261, Saudi Arabia.

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Subject Category: Materials Science, Multidisciplinary

Record 301 of 313

Author(s): Ahmad, R (Ahmad, Rais); Siddiqi, AH (Siddiqi, A. H.)

Title: Mixed variational-like inclusions and $J(\eta)$ -proximal operator equations in Banach spaces

Source: JOURNAL OF MATHEMATICAL ANALYSIS AND APPLICATIONS, 327 (1): 515-524 MAR 1 2007

Addresses: Aligarh Muslim Univ, Dept Math, Aligarh 202002, Uttar Pradesh, India; King Fahd Univ Petr & Minerals, Dept Math Sci, Dhahran 31261, Saudi Arabia

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Subject Category: Mathematics, Applied; Mathematics

Record 302 of 313

Author(s): Elazouni, AM (Elazouni, Ashraf M.); Metwally, FG (Metwally, Fikry G.)

Title: Expanding finance-based scheduling to devise overall-optimized project schedules

Source: JOURNAL OF CONSTRUCTION ENGINEERING AND MANAGEMENT-ASCE, 133 (1): 86-90 JAN 2007

Addresses: King Fahd Univ Petr & Minerals, Dept Construct Engr & Management, Dhahran 31261, Saudi Arabia; Benha Inst Technol, Dept Civil Engr, Banha, Egypt

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Subject Category: Construction & Building Technology; Engineering, Industrial; Engineering, Civil

Record 303 of 313

Author(s): Aboghander, NS (Aboghander, Nabeel S.); Shaikh, AA (Shaikh, Abdullah A.)

Title: A chemical reaction engineering laboratory experiment: Isothermal laminar-flow reactor

Source: JOURNAL OF CHEMICAL ENGINEERING OF JAPAN, 39 (6): 678-681 JUN 2006

Addresses: King Fahd Univ Petr & Minerals, Dept Chem Engr, Dhahran 31261, Saudi Arabia

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Subject Category: Engineering, Chemical

Record 304 of 313

Author(s): Abdel-Aal, RE (Abdel-Aal, Radwan E.); Abdel-Halim, MRE (Abdel-Halim, Mona

R. E.); Abdel-Aal, S (Abdel-Aal, Safa)

Title: Improving the classification of multiple disorders with problem decomposition

Source: JOURNAL OF BIOMEDICAL INFORMATICS, 39 (6): 612-625 DEC 2006

Addresses: King Fahd Univ Petr & Minerals, Dept Comp Engn, Dhahran 31261, Saudi Arabia; Cairo Univ, Fac Med, Dept Dermatol, Cairo, Egypt; Derriford Hosp, Plymouth PL6 8DH, Devon, England

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Subject Category: Computer Science, Interdisciplinary Applications; Mathematical & Computational Biology; Medical Informatics

Record 305 of 313

Author(s): Qureshi, BA (Qureshi, Bilal A.); Zubair, SM (Zubair, Syed M.)

Title: Second-law-based performance evaluation of cooling towers and evaporative heat exchangers

Source: INTERNATIONAL JOURNAL OF THERMAL SCIENCES, 46 (2): 188-198 FEB 2007

Addresses: King Fahd Univ Petr & Minerals, Dept Mech Engn, Dhahran 31261, Saudi Arabia

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Subject Category: Thermodynamics; Engineering, Mechanical

Record 306 of 313

Author(s): Muqaibel, AH (Muqaibel, Ali Hussein); Safaai-Jazi, A (Safaai-Jazi, Ahmad); Riad, SM (Riad, Sedki M.)

Title: Fork-coupled resonators for high-frequency characterization of dielectric substrate materials

Source: IEEE TRANSACTIONS ON INSTRUMENTATION AND MEASUREMENT, 55 (6): 2216-2220 DEC 2006

Addresses: King Fahd Univ Petr & Minerals, Elect Engn Dept, Dhahran 31261, Saudi Arabia; Virginia Polytech Inst & State Univ, Time Domain & RF measurement Lab, Bradley Dept Elect & Comp Engn, Blacksburg, VA 24061 USA

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Subject Category: Engineering, Electrical & Electronic; Instruments & Instrumentation

Record 307 of 313

Author(s): Amin, A (Amin, A.)

Title: High-speed self-timed carry-skip adder

Source: IEE PROCEEDINGS-CIRCUITS DEVICES AND SYSTEMS, 153 (6): 574-582 DEC 2006

Addresses: King Fahd Univ Petr & Minerals, Dept Comp Engn, Dhahran 31261, Saudi Arabia

Reprint Address: Amin, A, King Fahd Univ Petr & Minerals, Dept Comp Engn, Dhahran

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Subject Category: Engineering, Electrical & Electronic

Record 308 of 313

Author(s): AlQahtani, SA (AlQahtani, Salman A.); Mahmoud, AS (Mahmoud, Ashraf S.)

Title: Dynamic radio resource allocation for 3G and beyond mobile wireless networks

Source: COMPUTER COMMUNICATIONS, 30 (1): 41-51 DEC 15 2006

Addresses: King Fahd Univ Petr & Minerals, Dept Comp Engr, Dhahran 31261, Saudi Arabia

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Subject Category: Computer Science, Information Systems; Engineering, Electrical & Electronic; Telecommunications

Record 309 of 313

Author(s): Hussain, M (Hussain, Mahbub)

Title: Recognizing attributes and oomoldic porosity development in eolianite in an arid setting: An example from the quaternary eolianite from the Arabian Gulf coastline, Saudi Arabia

Source: CARBONATES AND EVAPORITES, 21 (2): 124-132 DEC 2006

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Subject Category: Geology

Record 310 of 313

Author(s): Kouche, M (Kouche, Mahieddine); Tatar, NE (Tatar, Nasser-eddine)

Title: Existence and global attractivity of a periodic solution to a nonautonomous dispersal system with delays

Source: APPLIED MATHEMATICAL MODELLING, 31 (4): 780-793 APR 2007

Addresses: King Fahd Univ Petr & Minerals, Dept Math Sci, Dhahran 31261, Saudi Arabia; Univ Badji Mokhtar, Lab Math Appl, Annaba 23000, Algeria

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Subject Category: Engineering, Multidisciplinary; Mathematics, Interdisciplinary Applications; Mechanics

Record 311 of 313

Author(s): Abuelma'atti, MT (Abuelma'atti, Muhammad Taher); Bentrchia, A (Bentrchia, Abdulwahab)

Title: A novel current-mode OTA-C universal filter

Source: ELECTRONICS WORLD, 112 (1849): 45-46 JAN 2007

Addresses: King Fahd Univ Petr & Minerals, Dhahran 31261, Saudi Arabia

Reprint Address: Abuelma'atti, MT, King Fahd Univ Petr & Minerals, Dhahran 31261, Saudi Arabia.

Subject Category: Engineering, Electrical & Electronic; Telecommunications

Record 312 of 313

Author(s): Khaled, MM (Khaled, M. M.); Yilbas, BS (Yilbas, B. S.)

Title: Effect of surface modification of Ti-6Al-4V by laser and duplex treatment on selective dissolution of aluminium

Source: CORROSION ENGINEERING SCIENCE AND TECHNOLOGY, 41 (4): 304-309 DEC 2006

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Subject Category: Materials Science, Multidisciplinary; Metallurgy & Metallurgical Engineering

Record 313 of 313

Author(s): Alhaidari, AD (Alhaidari, A. D.)

Title: Evaluation of integrals involving orthogonal polynomials: Laguerre polynomial and Bessel function example

Source: APPLIED MATHEMATICS LETTERS, 20 (1): 38-42 JAN 2007

Addresses: King Fahd Univ Petr & Minerals, Phys Dept, Dhahran 31261, Saudi Arabia

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Subject Category: Mathematics, Applied