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Record 1 of 120

5 Rational ...2003

Title: SOLITON STRUCTURE VERSUS SINGULARITY ANALYSIS - 3RD-ORDER COMPLETELY INTEGRABLE NONLINEAR DIFFERENTIAL-EQUATIONS IN 1+1-DIMENSIONS**Author(s):** FUCHSSTEINER, B (FUCHSSTEINER, B); CARILLO, S (CARILLO, S)**Source:** PHYSICA A **Volume:** 154 **Issue:** 3 **Pages:** 467-510
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Title: THE ABUNDANT SYMMETRY STRUCTURE OF HIERARCHIES OF NONLINEAR EQUATIONS OBTAINED BY RECIPROCAL LINKS

Author(s): CARILLO, S (CARILLO, S); FUCHSSTEINER, B (FUCHSSTEINER, B)

Source: JOURNAL OF MATHEMATICAL PHYSICS **Volume:** 30 **Issue:** 7 **Pages:** 1606-1613 **DOI:** 10.1063/1.528604 **Published:** JUL 1989

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Accession Number: WOS:A1989AC84300027

Record 3 of 120

Title: PAINLEVE PROPERTY AND PSEUDOPOTENTIALS FOR NON-LINEAR EVOLUTION-EQUATIONS

Author(s): NUCCI, MC (NUCCI, MC)

Source: JOURNAL OF PHYSICS A-MATHEMATICAL AND GENERAL **Volume:** 22 **Issue:** 15 **Pages:** 2897-2913 **DOI:** 10.1088/0305-4470/22/15/009 **Published:** AUG 7 1989

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Accession Number: WOS:A1989AJ92500009

Record 4 of 120

Title: THE ACTION ANGLE TRANSFORMATION FOR SOLITON-EQUATIONS

Author(s): FUCHSSTEINER, B (FUCHSSTEINER, B); CARILLO, S (CARILLO, S)

Source: PHYSICA A-STATISTICAL MECHANICS AND ITS APPLICATIONS **Volume:** 166 **Issue:** 3 **Pages:** 651-675 **DOI:** 10.1016/0378-4371(90)90078-7 **Published:** JUL 15 1990

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Accession Number: WOS:A1990DV53200015

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Title: ON THE STRUCTURE AND PROPERTIES OF THE SINGULARITY MANIFOLD EQUATIONS OF THE KP HIERARCHY

Author(s): KONOPELCHENKO, B (KONOPELCHENKO, B); STRAMPP, W (STRAMPP, W)

Source: JOURNAL OF MATHEMATICAL PHYSICS **Volume:** 32 **Issue:** 1 **Pages:** 40-49 **DOI:** 10.1063/1.529505 **Published:** JAN 1991

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Accession Number: WOS:A1991EQ36900006

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Title: LINEAR ASPECTS IN THE THEORY OF SOLITONS AND NONLINEAR INTEGRABLE EQUATIONS

Author(s): FUCHSSTEINER, B (FUCHSSTEINER, B)

Source: JOURNAL OF THE PHYSICAL SOCIETY OF JAPAN **Volume:** 60 **Issue:** 5 **Pages:** 1473-1496 **DOI:** 10.1143/JPSJ.60.1473 **Published:** MAY 1991

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Record 7 of 120

Title: POSITIONS OF THE MODIFIED KORTEWEG-DEVRIES EQUATION

Author(s): STAHLHOFEN, AA (STAHLHOFEN, AA)

Source: ANNALEN DER PHYSIK **Volume:** 1 **Issue:** 7 **Pages:** 554-569 **Published:** 1992

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Accession Number: WOS:A1992KD38000007

Record 8 of 120**Title:** EXPLICIT SOLUTIONS FOR THE DYM,HARRY EQUATION**Author(s):** FUCHSSTEINER, B (FUCHSSTEINER, B); SCHULZE, T (SCHULZE, T); CARILLO, S (CARILLO, S)**Source:** JOURNAL OF PHYSICS A-MATHEMATICAL AND GENERAL **Volume:** 25 **Issue:** 1 **Pages:** 223-230 **DOI:** 10.1088/0305-4470/25/1/025 **Published:** JAN 7 1992**Cited References:** Ablowitz M.J., 1981, SOLITONS INVERSE SCA

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Accession Number: WOS:A1992HA16200025**Record 9 of 120****Title:** CONSERVATION-LAWS OF THE RESONANT BOUSSINESQ EQUATION IN THE COMPLEX T-PLANE**Author(s):** KONNO, K (KONNO, K)**Source:** PHYSICS LETTERS A **Volume:** 162 **Issue:** 4 **Pages:** 331-335 **DOI:** 10.1016/0375-9601(92)90026-I **Published:** FEB 17 1992**Cited References:** CARILLO S, 1990, NONLINEAR EVOLUTION

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Record 10 of 120

Title: THE PAINLEVE PROPERTY TRANSFORMED

Author(s): SAKOVICH, SY (SAKOVICH, SY)

Source: JOURNAL OF PHYSICS A-MATHEMATICAL AND GENERAL **Volume:** 25 **Issue:** 13 **Pages:** L833-L836 **DOI:** 10.1088/0305-4470/25/13/011 **Published:** JUL 7 1992

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Accession Number: WOS:A1992JD89900011

Record 11 of 120

Title: NONLINEAR PDES AND RECURSIVE FLOWS - THEORY

Author(s): FUCHSSTEINER, B (FUCHSSTEINER, B); LOSCHIAVO, M (LOSCHIAVO, M)

Source: APPLIED MATHEMATICS LETTERS **Volume:** 6 **Issue:** 1 **Pages:** 97-100 **DOI:** 10.1016/0893-9659(93)90157-I **Published:** JAN 1993

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Record 12 of 120

Title: NILPOTENT AND RECURSIVE FLOWS

Author(s): FUCHSSTEINER, B (FUCHSSTEINER, B); LOSCHIAVO, M (LOSCHIAVO, M)

Source: MANUSCRIPTA MATHEMATICA **Volume:** 79 **Issue:** 1 **Pages:** 27-48 **DOI:** 10.1007/BF02568327 **Published:** APR 1993

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Accession Number: WOS:A1993LA21300004

Record 13 of 120**Title:** ON MIURA-TRANSFORMATIONS OF EVOLUTION-EQUATIONS**Author(s):** SAKOVICH, SY (SAKOVICH, SY)**Source:** JOURNAL OF PHYSICS A-MATHEMATICAL AND GENERAL **Volume:** 26 **Issue:** 7 **Pages:** L369-L373 **DOI:** 10.1088/0305-4470/26/7/004 **Published:** APR 7 1993**Cited References:** CARILLO S, 1989, J MATH PHYS, V30, P1606, DOI 10.1063/1.528604

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Accession Number: WOS:A1993KY84200004**Record 14 of 120****Title:** GAUGE TRANSFORMATIONS AND RECIPROCAL LINKS IN 2+1 DIMENSIONS**Author(s):** OEVEL, W (OEVEL, W); ROGERS, C (ROGERS, C)**Source:** REVIEWS IN MATHEMATICAL PHYSICS **Volume:** 5 **Issue:** 2 **Pages:** 299-330 **DOI:** 10.1142/S0129055X93000073 **Published:** JUN 1993**Cited References:** ABLOWITZ MJ, 1982, SOLITONS INVERSE SCA

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Accession Number: WOS:A1993LQ21100002

Record 15 of 120

Title: INVERSE RECURSION OPERATOR OF THE AKNS HIERARCHY

Author(s): LOU, SY (LOU, SY); CHEN, WZ (CHEN, WZ)

Source: PHYSICS LETTERS A **Volume:** 179 **Issue:** 4-5 **Pages:** 271-274 **DOI:** 10.1016/0375-9601(93)90677-R **Published:** AUG 16 1993

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Accession Number: WOS:A1993LU12200011

Record 16 of 120

Title: RECURSION OPERATOR AND SYMMETRY STRUCTURE OF THE KAWAMOTO-TYPE EQUATION

Author(s): LOU, SY (LOU, SY)

Source: PHYSICS LETTERS A **Volume:** 181 **Issue:** 1 **Pages:** 13-16 **DOI:** 10.1016/0375-9601(93)91116-M **Published:** SEP 27 1993

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Accession Number: WOS:A1993MA43600003

Record 17 of 120

Title: THE HIGHER-TIMES APPROACH TO MULTISOLITON SOLUTIONS OF THE HARRY DYM EQUATION

Author(s): DMITRIEVA, LA (DMITRIEVA, LA)

Source: JOURNAL OF PHYSICS A-MATHEMATICAL AND GENERAL **Volume:** 26 **Issue:** 21 **Pages:** 6005-6020 **DOI:** 10.1088/0305-4470/26/21/037 **Published:** NOV 7 1993

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Accession Number: WOS:A1993MH24400037

Record 18 of 120

Title: FINITE-GAP SOLUTIONS OF THE HARRY DYM EQUATION

Author(s): DMITRIEVA, LA (DMITRIEVA, LA)

Source: PHYSICS LETTERS A **Volume:** 182 **Issue:** 1 **Pages:** 65-70 **DOI:** 10.1016/0375-9601(93)90054-4 **Published:** NOV 8 1993

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Accession Number: WOS:A1993MG80500011

Record 19 of 120

Title: AN INVARIANCE OF THE (2+1)-DIMENSIONAL HARRY-DYM EQUATION - APPLICATION TO INITIAL-BOUNDARY VALUE-PROBLEMS

Author(s): ROGERS, C (ROGERS, C); STALLYBRASS, MP (STALLYBRASS, MP); VASSILIOU, P (VASSILIOU, P)

Source: INTERNATIONAL JOURNAL OF NON-LINEAR MECHANICS **Volume:** 29 **Issue:** 2 **Pages:** 145-154 **DOI:** 10.1016/0020-7462(94)90033-7 **Published:** MAR 1994

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Accession Number: WOS:A1994NC06300004

Record 20 of 120

Title: SYMMETRIES OF THE KDV EQUATION AND 4 HIERARCHIES OF THE INTEGRODIFFERENTIAL KDV EQUATIONS

Author(s): LOU, SY (LOU, SY)

Source: JOURNAL OF MATHEMATICAL PHYSICS **Volume:** 35 **Issue:** 5 **Pages:** 2390-2396 **DOI:** 10.1063/1.530509 **Published:** MAY 1994

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LOU SY, 1993, PHYS LETT B, V302, P265

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Accession Number: WOS:A1994NJ53300027

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Title: SYMMETRIES AND LIE-ALGEBRAS OF THE HARRY-DYM HIERARCHY

Author(s): LOU, SY (LOU, SY)

Source: CHAOS SOLITONS & FRACTALS **Volume:** 4 **Issue:** 10 **Pages:** 1961-1964 **DOI:** 10.1016/0960-0779(94)90010-8 **Published:** OCT 1994

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Title: INVERSE SPECTRAL TRANSFORM FOR THE HARRY-DYM-EQUATION ON THE COMPLEX-PLANE

Author(s): KONOPELCHENKO, BG (KONOPELCHENKO, BG); LEE, JH (LEE, JH)

Source: PHYSICA D **Volume:** 81 **Issue:** 1-2 **Pages:** 32-43 **DOI:** 10.1016/0167-2789(94)00153-H **Published:** FEB 15 1995

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Title: INITIAL-BOUNDARY VALUE-PROBLEMS AND DARBOUX-LEVI-TYPE TRANSFORMATIONS ASSOCIATED WITH A 2+1-DIMENSIONAL EIGENFUNCTION EQUATION

Author(s): ROGERS, C (ROGERS, C); SCHIEF, WK (SCHIEF, WK); STALLYBRASS, MP (STALLYBRASS, MP)

Source: INTERNATIONAL JOURNAL OF NON-LINEAR MECHANICS **Volume:** 30 **Issue:** 3 **Pages:** 223-233 **DOI:** 10.1016/0020-7462(94)00045-C **Published:** MAY 1995

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Title: CONDITIONAL LIE-BACKLUND SYMMETRY AND REDUCTION OF EVOLUTION-EQUATIONS

Author(s): ZHDANOV, RZ (ZHDANOV, RZ)

Source: JOURNAL OF PHYSICS A-MATHEMATICAL AND GENERAL **Volume:** 28 **Issue:** 13 **Pages:** 3841-3850 **DOI:** 10.1088/0305-4470/28/13/027 **Published:** JUL 7 1995

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Accession Number: WOS:A1995RK87200027

Record 25 of 120

Title: Explicit and exact solutions to a Kolmogorov-Petrovskii-Piskunov equation

Author(s): Ma, WX (Ma, WX); Fuchssteiner, B (Fuchssteiner, B)

Source: INTERNATIONAL JOURNAL OF NON-LINEAR MECHANICS **Volume:** 31 **Issue:** 3 **Pages:** 329-338 **DOI:** 10.1016/0020-7462(95)00064-X **Published:** MAY 1996

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Record 26 of 120

Title: Some tricks from the symmetry-toolbox for nonlinear equations: Generalizations of the Camassa-Holm equation

Author(s): Fuchssteiner, B (Fuchssteiner, B)

Source: PHYSICA D **Volume:** 95 **Issue:** 3-4 **Pages:** 229-243 **DOI:** 10.1016/0167-2789(96)00048-6 **Published:** SEP 1 1996

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Accession Number: WOS:A1996VF08800002

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Title: Symmetry algebras and group invariant solutions of the Kawamoto-type equations

Author(s): Lou, SY (Lou, SY)

Source: COMMUNICATIONS IN THEORETICAL PHYSICS **Volume:** 26 **Issue:** 3 **Pages:** 311-318 **Published:** OCT 30 1996

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Accession Number: WOS:A1996VZ69700009

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Title: Symmetries and similarity reductions of the dym equation

Author(s): Lou, SY (Lou, SY)

Source: PHYSICA SCRIPTA **Volume:** 54 **Issue:** 5 **Pages:** 428-435 **DOI:** 10.1088/0031-8949/54/5/002 **Published:** NOV 1996

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Accession Number: WOS:A1996VQ97000002

Record 29 of 120

Title: Squared eigenfunction symmetries for soliton equations: Part I

Author(s): Oevel, W (Oevel, W); Carillo, S (Carillo, S)

Source: JOURNAL OF MATHEMATICAL ANALYSIS AND APPLICATIONS **Volume:** 217 **Issue:** 1 **Pages:** 161-178 **DOI:** 10.1006/jmaa.1997.5707 **Published:** JAN 1 1998

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Title: Squared eigenfunction symmetries for soliton equations: Part II

Author(s): Oevel, W (Oevel, W); Carillo, S (Carillo, S)

Source: JOURNAL OF MATHEMATICAL ANALYSIS AND APPLICATIONS **Volume:** 217 **Issue:** 1 **Pages:** 179-199 **DOI:** 10.1006/jmaa.1997.5708 **Published:** JAN 1 1998

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Accession Number: WOS:000071726200010

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Title: Backlund transformation of partial differential equations from the Painleve-Gambier classification. I. Kaup-Kupershmidt equation

Author(s): Musette, M (Musette, M); Conte, R (Conte, R)

Source: JOURNAL OF MATHEMATICAL PHYSICS **Volume:** 39 **Issue:** 10 **Pages:** 5617-5630 **DOI:** 10.1063/1.532554 **Published:** OCT 1998

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Title: Reciprocal transformations of two-component hyperbolic systems and their invariants

Author(s): Ferapontov, EV (Ferapontov, EV); Rogers, C (Rogers, C); Schief, WK (Schief, WK)

Source: JOURNAL OF MATHEMATICAL ANALYSIS AND APPLICATIONS **Volume:** 228 **Issue:** 2 **Pages:** 365-376 **DOI:** 10.1006/jmaa.1998.6131 **Published:** DEC 15 1998

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Title: Alternative lax pair, bi-Hamiltonian structure, and constrained flows for the psi-dynamic of NLS equation

Author(s): Das, CK (Das, CK); Chowdhury, AR (Chowdhury, AR)

Source: INTERNATIONAL JOURNAL OF MODERN PHYSICS A **Volume:** 14 **Issue:** 26 **Pages:** 4177-4188 **DOI:** 10.1142/S0217751X99001962 **Published:** OCT 20 1999

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Record 34 of 120

Title: Soliton solutions and symmetries of the 2+1 dimensional Kaup-Kupershmidt equation

Author(s): Hu, XB (Hu, XB); Wang, DL (Wang, DL); Qian, XM (Qian, XM)

Source: PHYSICS LETTERS A **Volume:** 262 **Issue:** 6 **Pages:** 409-415 **DOI:** 10.1016/S0375-9601(99)00683-0 **Published:** NOV 15 1999

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Title: A nonlinear superposition formula for the Kaup-Kupershmidt partial differential equation

Author(s): Musette, M (Musette, M); Verhoeven, C (Verhoeven, C)

Editor(s): Boiti M; Martina L; Pempinelli F; Prinari B; Soliani G

Source: PROCEEDINGS OF THE WORKSHOP ON NONLINEARITY, INTEGRABILITY AND ALL THAT: TWENTY YEARS AFTER NEEDS '79 **Pages:** 182-188 **Published:** 2000

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Record 36 of 120

Title: On soliton solutions of the Kaup-Kupershmidt equation. I. Direct bilinearisation and solitary wave

Author(s): Parker, A (Parker, A)

Source: PHYSICA D **Volume:** 137 **Issue:** 1-2 **Pages:** 25-33 **DOI:** 10.1016/S0167-2789(99)00166-9 **Published:** MAR 1 2000

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Record 37 of 120

Title: On soliton solutions of the Kaup-Kupershmidt equation. II. 'Anomalous' N-soliton solutions

Author(s): Parker, A (Parker, A)

Source: PHYSICA D **Volume:** 137 **Issue:** 1-2 **Pages:** 34-48 **DOI:** 10.1016/S0167-2789(99)00167-0 **Published:** MAR 1 2000

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Accession Number: WOS:000084887400003

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Title: Rational solutions of the master symmetries of the KdV equation

Author(s): Zubelli, JP (Zubelli, JP); Silva, DSV (Silva, DSV)

Source: COMMUNICATIONS IN MATHEMATICAL PHYSICS **Volume:** 211 **Issue:** 1 **Pages:** 85-109 **DOI:** 10.1007/s002200050803 **Published:** APR 2000

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Title: Two integrable differential-difference equations exhibiting soliton solutions of the Kaup-Kupershmidt equation type

Author(s): Tam, HW (Tam, HW); Hu, XB (Hu, XB)

Source: PHYSICS LETTERS A **Volume:** 272 **Issue:** 3 **Pages:** 174-183 **DOI:** 10.1016/S0375-9601(00)00422-9 **Published:** JUL 24 2000

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Title: On 'regular' and 'anomalous' solitons of fifth-order equations and an iteration method

Author(s): Parker, A (Parker, A)

Source: REPORTS ON MATHEMATICAL PHYSICS **Volume:** 46 **Issue:** 1-2 **Pages:** 217-224 **DOI:** 10.1016/S0034-4877(01)80026-4 **Published:** AUG-OCT 2000

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Accession Number: WOS:000165239600025

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Title: Nonlinear superposition formula for the Kaup-Kupershmidt partial differential equation

Author(s): Musette, M (Musette, M); Verhoeven, C (Verhoeven, C)

Source: PHYSICA D **Volume:** 144 **Issue:** 1-2 **Pages:** 211-220 **DOI:** 10.1016/S0167-2789(00)00081-6 **Published:** SEP 15 2000

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Accession Number: WOS:000089208000013

Record 42 of 120**Title:** A novel Backlund invariance of a nonlinear differential equation**Author(s):** Carillo, S (Carillo, S)**Source:** JOURNAL OF MATHEMATICAL ANALYSIS AND APPLICATIONS **Volume:** 252 **Issue:** 2 **Pages:** 828-839 **DOI:** 10.1006/jmaa.2000.7126 **Published:** DEC 15 2000**Cited References:** ACZEL J, 1966, LECT FUNCTIONAL EQUA

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Record 43 of 120**Title:** On bidirectional fifth-order nonlinear evolution equations, Lax pairs, and directionally dependent solitary waves**Author(s):** Dye, JM (Dye, JM); Parker, A (Parker, A)**Source:** JOURNAL OF MATHEMATICAL PHYSICS **Volume:** 42 **Issue:** 6 **Pages:** 2567-2589 **DOI:** 10.1063/1.1354642 **Published:** JUN 2001**Cited References:** ABLOWITZ MJ, 1991, SOLTIONS NONLINEAR E

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Title: Thickness waves in electroelastic plates

Author(s): Podio-Guidugli, P (Podio-Guidugli, P); Tomassetti, G (Tomassetti, G)

Source: WAVE MOTION **Volume:** 34 **Issue:** 2 **Pages:** 175-191 **DOI:** 10.1016/S0165-2125(00)00080-9 **Published:** JUL 2001

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Title: Variational setting of a nonlinear interaction problem

Author(s): Carillo, S (Carillo, S)

Source: NONLINEAR ANALYSIS-THEORY METHODS & APPLICATIONS **Volume:** 47 **Issue:** 1 **Pages:** 447-456 **DOI:** 10.1016/S0362-546X(01)00190-0 **Part:** 1 **Published:** AUG 2001

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SPECTOR SJ, 1980, J ELASTICITY, V10, P145, DOI 10.1007/BF00044500

Accession Number: WOS:000170625400041

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Title: Lagrangian chains and canonical Backlund transformations

Author(s): Adler, VE (Adler, VE); Marikhin, VG (Marikhin, VG); Shabat, AB (Shabat, AB)

Source: THEORETICAL AND MATHEMATICAL PHYSICS **Volume:** 129 **Issue:** 2 **Pages:** 1448-1465 **DOI:** 10.1023/A:1012858820688 **Published:** NOV 2001

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Title: Bicomplexes and Backlund transformations

Author(s): Dimakis, A (Dimakis, A); Muller-Hoissen, F (Muller-Hoissen, F)

Source: JOURNAL OF PHYSICS A-MATHEMATICAL AND GENERAL **Volume:** 34 **Issue:** 43 **Pages:** 9163-9194 **DOI:** 10.1088/0305-4470/34/43/306 **Published:** NOV 2 2001

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Title: Variational setting of nonlinear equilibrium problem: wedge discontinuity lines

Author(s): Carillo, S (Carillo, S)

Editor(s): Monaco R; Bianchi MP; Rionero S

Source: WASCOM 2001: 11TH CONFERENCE ON WAVES AND STABILITY IN CONTINUOUS MEDIA, PROCEEDINGS **Pages:** 136-143 **DOI:** 10.1142/9789812777331_0019 **Published:** 2002

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Title: Flexure waves in electroelastic plates

Author(s): Lancioni, G (Lancioni, G); Tomassetti, G (Tomassetti, G)

Source: WAVE MOTION **Volume:** 35 **Issue:** 3 **Pages:** 257-269 **DOI:** 10.1016/S0165-2125(01)00108-1 **Published:** MAR 2002

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Title: On computer-assisted classification of coupled integrable equations

Author(s): Foursov, MV (Foursov, MV); Maza, MM (Maza, MM)

Source: JOURNAL OF SYMBOLIC COMPUTATION **Volume:** 33 **Issue:** 5 **Pages:** 647-660 **DOI:** 10.1006/jSCO.2002.0527 **Published:** MAY 2002

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Close

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◀ [1 | 2 | 3] ▶

Record 51 of 120**Title:** A bidirectional Kaup-Kupershmidt equation and directionally dependent solitons**Author(s):** Dye, JM (Dye, JM); Parker, A (Parker, A)**Source:** JOURNAL OF MATHEMATICAL PHYSICS **Volume:** 43 **Issue:** 10 **Pages:** 4921-4949 **DOI:** 10.1063/1.1503866 **Published:** OCT 2002**Cited References:** Ablowitz M.J., 1991, SOLITONS NONLINEAR E

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Part II)****74****Record 52 of 120****Title:** The bi-Hamiltonian theory of the Harry Dym equation**Author(s):** Pedroni, M (Pedroni, M); Sciacca, V (Sciacca, V); Zubelli, JP (Zubelli, JP)**Source:** THEORETICAL AND MATHEMATICAL PHYSICS **Volume:** 133 **Issue:** 2 **Pages:** 1585-1597 **DOI:** 10.1023/A:1021111213874 **Published:** NOV 2002**Cited References:** Casati P, 1997, J MATH PHYS, V38, P4606, DOI 10.1063/1.532110

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Author(s): Brunelli, JC (Brunelli, JC); da Costa, GATF (da Costa, GATF)
Source: JOURNAL OF MATHEMATICAL PHYSICS **Volume:** 43 **Issue:** 12 **Pages:** 6116-6128 **DOI:** 10.1063/1.1512974 **Published:** DEC 2002
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Title: Exact solutions of nonlinear partial differential equations by singularity analysis
Author(s): Conte, R (Conte, R)
Editor(s): Greco AM
Source: DIRECT AND INVERSE METHODS IN NONLINEAR EVOLUTION EQUATIONS **Book Series:** Lecture Notes in Physics **Volume:** 632 **Pages:** 1-83 **Published:** 2003
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Title: Nonlinear superposition formulae of integrable partial differential equations by the singular manifold method

Author(s): Musette, N (Musette, N)

Editor(s): Greco AM

Source: DIRECT AND INVERSE METHODS IN NONLINEAR EVOLUTION EQUATIONS **Book Series:** Lecture Notes in Physics **Volume:** 632 **Pages:** 137-170 **Published:** 2003

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Record 56 of 120

Title: A variational problem with non-local constraints

Author(s): Carillo, S (Carillo, S); Chipot, M (Chipot, M); Caffarelli, GV (Caffarelli, GV)

Editor(s): Monaco R; Pennisi S; Rionero S; Ruggeri T

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Title: Symmetries and strong symmetries of the (3+1)-dimensional burgers equation

Author(s): Lian, ZJ (Lian, ZJ); Lou, SY (Lou, SY)

Source: CHINESE PHYSICS LETTERS **Volume:** 21 **Issue:** 2 **Pages:** 219-222 **Published:** FEB 2004

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Title: Examples of concentrated contact interactions in simple bodies

Author(s): Podio-Guidugli, P (Podio-Guidugli, P)

Source: JOURNAL OF ELASTICITY **Volume:** 75 **Issue:** 2 **Pages:** 167-186 **Published:** MAY 2004

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Title: Some remarks on materials with memory: Heat conduction and viscoelasticity

Author(s): Carillo, S (Carillo, S)

Source: JOURNAL OF NONLINEAR MATHEMATICAL PHYSICS **Volume:** 12 **Pages:** 163-178 **DOI:** 10.2991/jnmp.2005.12.s1.14 **Supplement:** 1 **Published:** JAN 2005

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Accession Number: WOS:000226501000016

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Title: On contact powers and null Lagrangian fluxes

Author(s): Podio-Guidugli, P (Podio-Guidugli, P); Caffarelli, GV (Caffarelli, GV)

Editor(s): Fergola P; Capone F; Gentile M; Guerriero G

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Record 61 of 120

Title: On the local and nonlocal Camassa-Holm hierarchies

Author(s): Casati, P (Casati, P); Lorenzoni, P (Lorenzoni, P); Ortenzi, G (Ortenzi, G); Pedroni, M (Pedroni, M)

Source: JOURNAL OF MATHEMATICAL PHYSICS **Volume:** 46 **Issue:** 4 **Article Number:** 042704 **DOI:** 10.1063/1.1888568 **Published:** APR 2005

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Accession Number: WOS:000228487500032

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Title: The effect of memory terms in diffusion phenomena

Author(s): Araujo, A (Araujo, A); Ferreira, JA (Ferreira, JA); Oliveira, P (Oliveira, P)

Source: JOURNAL OF COMPUTATIONAL MATHEMATICS **Volume:** 24 **Issue:** 1 **Pages:** 91-102 **Published:** JAN 2006

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Accession Number: WOS:000235395500009

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Title: The constrained dispersionless mKP hierarchy and the dispersionless mKP hierarchy with self-consistent sources

Author(s): Xiao, T (Xiao, T); Zeng, YB (Zeng, YB)

Source: PHYSICS LETTERS A **Volume:** 349 **Issue:** 1-4 **Pages:** 128-134 **DOI:** 10.1016/j.physleta.2005.08.078 **Published:** JAN 9 2006

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Accession Number: WOS:000234726700017

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Title: Backlund transformations for the constrained dispersionless hierarchies and dispersionless hierarchies with self-consistent sources

Author(s): Xiao, T (Xiao, T); Zeng, YB (Zeng, YB)

Source: INVERSE PROBLEMS **Volume:** 22 **Issue:** 3 **Pages:** 869-879 **DOI:** 10.1088/0266-5611/22/3/008 **Published:** JUN 2006

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Accession Number: WOS:000238422400011

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Title: Modelling and long-time behaviour for phase transitions with entropy balance and thermal memory conductivity

Author(s): Bonetti, E (Bonetti, E); Colli, P (Colli, P); Fabrizio, M (Fabrizio, M); Gilardi, G (Gilardi, G)

Source: DISCRETE AND CONTINUOUS DYNAMICAL SYSTEMS-SERIES B **Volume:** 6 **Issue:** 5 **Pages:** 1001-1026 **Published:** SEP 2006

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Title: REMARKS ON CONTACT POWERS AND NULL LAGRANGIAN FLUXES

Author(s): Ansini, L (Ansini, L.); Caffarelli, GV (Caffarelli, G. Vergara)

Editor(s): Cutello V; Fotia G; Puccio L

Source: APPLIED AND INDUSTRIAL MATHEMATICS IN ITALY II **Book Series:** Series on Advances in Mathematics for Applied Sciences **Volume:** 75 **Pages:** 49-53 **DOI:** 10.1142/9789812709394_0005 **Published:** 2007

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Accession Number: WOS:000273148500005

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Title: Integro-differential models for percutaneous drug absorption

Author(s): Barbeiro, S (Barbeiro, S.); Ferreira, JA (Ferreira, J. A.)

Source: INTERNATIONAL JOURNAL OF COMPUTER MATHEMATICS **Volume:** 84 **Issue:** 4 **Pages:** 451-467 **DOI:** 10.1080/00207160701210091 **Published:** 2007

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Accession Number: WOS:000247251200003

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Title: How to use reactive stresses to improve plate-theory approximations of the stress field in a linearly elastic plate-like body

Author(s): Lembo, M (Lembo, Marzio); Podio-Guidugli, P (Podio-Guidugli, Paolo)

Source: INTERNATIONAL JOURNAL OF SOLIDS AND STRUCTURES **Volume:** 44 **Issue:** 5 **Pages:** 1337-1369 **DOI:** 10.1016/j.ijsolstr.2006.06.012 **Published:** MAR 1 2007

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Accession Number: WOS:000244270200002

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Title: A proposal concerning the physical rate of dissipation of materials with memory: The non-isothermal case

Author(s): Golden, JM (Golden, J. M.)

Source: MATHEMATICS AND MECHANICS OF SOLIDS **Volume:** 12 **Issue:** 4 **Pages:** 403-449 **DOI:** 10.1177/1081286505061450 **Published:** AUG 2007

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Title: ON A DOUBLY NONLINEAR PHASE-FIELD MODEL FOR FIRST-ORDER TRANSITIONS WITH MEMORY

Author(s): Berti, V (Berti, V.); Fabrizio, M (Fabrizio, M.); Giorgi, C (Giorgi, C.)

Source: DIFFERENTIAL AND INTEGRAL EQUATIONS **Volume:** 21 **Issue:** 3-4 **Pages:** 325-350 **Published:** MAR-APR 2008

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Accession Number: WOS:000208720400007

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Title: A continuum theory for first-order phase transitions based on the balance of structure order

Author(s): Fabrizio, A (Fabrizio, A.); Giorgi, C (Giorgi, C.); Morro, A (Morro, A.)

Source: MATHEMATICAL METHODS IN THE APPLIED SCIENCES **Volume:** 31 **Issue:** 6 **Pages:** 627-653 **DOI:** 10.1002/mma.930 **Published:** APR 2008

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Record 72 of 120**Title:** The bilinear negative Kadomtsev-Petviashvili system and its Kac-Moody-Virasoro symmetry group**Author(s):** Jia, M (Jia, Man); Li, JH (Li, Jin-hua); Lou, SY (Lou, S. Y.)**Source:** JOURNAL OF PHYSICS A-MATHEMATICAL AND THEORETICAL **Volume:** 41 **Issue:** 27 **Article Number:** 275204 **DOI:** 10.1088/1751-8113/41/27/275204 **Published:** JUL 11 2008**Cited References:** ABLOWITZ MJ, 1974, STUD APPL MATH, V53, P249

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Record 73 of 120**Title:** Bi-Hamiltonian aspects of a matrix Harry Dym hierarchy**Author(s):** Fontanelli, L (Fontanelli, Laura); Lorenzoni, P (Lorenzoni, Paolo); Pedroni, M (Pedroni, Marco); Zubelli, JP (Zubelli, Jorge P.)**Source:** JOURNAL OF MATHEMATICAL PHYSICS **Volume:** 49 **Issue:** 9 **Article Number:** 092901 **DOI:** 10.1063/1.2982232 **Published:** SEP 2008**Cited References:** ANTONOWICZ M, 1987, PHYSICA D, V28, P345, DOI 10.1016/0167-2789(87)90023-6

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Title: An extended two-dimensional Toda lattice hierarchy and two-dimensional Toda lattice with self-consistent sources

Author(s): Liu, XJ (Liu, Xiaojun); Zeng, YB (Zeng, Yunbo); Lin, RL (Lin, Runliang)

Source: JOURNAL OF MATHEMATICAL PHYSICS **Volume:** 49 **Issue:** 9 **Article Number:** 093506 **DOI:** 10.1063/1.2976685 **Published:** SEP 2008

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Title: THE N-MEMBRANES PROBLEM

Author(s): Lindgren, E (Lindgren, E.); Razani, A (Razani, A.)

Source: BULLETIN OF THE IRANIAN MATHEMATICAL SOCIETY **Volume:** 35 **Issue:** 1 **Pages:** 31-40 **Published:** APR 2009

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Title: Nonlocal Symmetries for Bilinear Equations and Their Applications

Author(s): Hu, XB (Hu, Xing-Biao); Lou, SY (Lou, Sen-Yue); Qian, XM (Qian, Xian-Min)

Source: STUDIES IN APPLIED MATHEMATICS **Volume:** 122 **Issue:** 3 **Pages:** 305-324 **DOI:** 10.1111/j.1467-9590.2009.00435.x **Published:** APR 2009

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Title: A generalized dressing approach for solving the extended KP and the extended mKP hierarchy
Author(s): Liu, XJ (Liu, Xiaojun); Lin, RL (Lin, Runliang); Jin, B (Jin, Bo); Zeng, YB (Zeng, Yunbo)
Source: JOURNAL OF MATHEMATICAL PHYSICS **Volume:** 50 **Issue:** 5 **Article Number:** 053506 **DOI:** 10.1063/1.3126494 **Published:** MAY 2009
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Title: Noncommutative Korteweg-de Vries and modified Korteweg-de Vries hierarchies via recursion methods
Author(s): Carillo, S (Carillo, Sandra); Schiebold, C (Schiebold, Cornelia)
Source: JOURNAL OF MATHEMATICAL PHYSICS **Volume:** 50 **Issue:** 7 **Article Number:** 073510 **DOI:** 10.1063/1.3155080 **Published:** JUL 2009
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Accession Number: WOS:000268614500029

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Title: A new integrable equation with no smooth solitons

Author(s): Qiao, ZJ (Qiao, Zhijun); Liu, LP (Liu, Liping)

Source: CHAOS SOLITONS & FRACTALS **Volume:** 41 **Issue:** 2 **Pages:** 587-593 **DOI:** 10.1016/j.chaos.2007.11.034 **Published:** JUL 30 2009

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Accession Number: WOS:000267379700006

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Title: Negative semi-discrete KP and BKP hierarchies via nonlocal symmetries

Author(s): Tian, K (Tian, Kai); Hu, XB (Hu, Xing-Biao)

Source: JOURNAL OF PHYSICS A-MATHEMATICAL AND THEORETICAL **Volume:** 42 **Issue:** 45 **Article Number:** 454022 **DOI:** 10.1088/1751-8113/42/45/454022 **Published:** NOV 13 2009

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Title: Looking for the Lost Memory in Diffusion-Reaction Equations

Author(s): Ferreira, JA (Ferreira, Jose Augusto); de Oliveira, P (de Oliveira, Paula)

Editor(s): Rannacher R; Sequeira A

Source: ADVANCES IN MATHEMATICAL FLUID MECHANICS: DEDICATED TO GIOVANNI PAOLO GALDI ON THE OCCASION OF HIS 60TH BIRTHDAY, INTERNATIONAL CONFERENCE ON MATHEMATICAL FLUID MECHANICS, 2007 **Pages:** 229-251 **DOI:** 10.1007/978-3-642-04068-9_14 **Published:** 2010

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Title: A NON-COMMUTATIVE OPERATOR-HIERARCHY OF BURGERS EQUATIONS AND BACKLUND TRANSFORMATIONS

Author(s): Carillo, S (Carillo, Sandra); Schiebold, C (Schiebold, Cornelia)

Editor(s): DeBernardis E; Spigler R; Valente V

Source: APPLIED AND INDUSTRIAL MATHEMATICS IN ITALY III **Book Series:** Series on Advances in Mathematics for Applied Sciences **Volume:** 82 **Pages:** 175-185 **DOI:** 10.1142/9789814280303_0016 **Published:** 2010

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Accession Number: WOS:000275974500016

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Title: Nonlinear Hyperbolic Equations and Linear Heat Conduction with Memory

Author(s): Carillo, S (Carillo, Sandra)

Editor(s): Ganghoffer JF; Pastrone F

Source: MECHANICS OF MICROSTRUCTURED SOLIDS 2: CELLULAR MATERIALS, FIBRE REINFORCED SOLIDS AND SOFT TISSUES: CELLULAR MATERIALS, FIBRE REINFORCED SOLIDS AND SOFT TISSUES **Book**

Series: Lecture Notes in Applied and Computational Mechanics **Volume:** 50 **Pages:** 63-70 **Published:** 2010

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Accession Number: WOS:000307087500007

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Record 84 of 120

Title: The Lax Integrable Differential-Difference Dynamical Systems on Extended Phase Spaces

Author(s): Hentosh, OY (Hentosh, Oksana Ye.)

Source: SYMMETRY INTEGRABILITY AND GEOMETRY-METHODS AND APPLICATIONS **Volume:** 6 **Article**

Number: 034 **DOI:** 10.3842/SIGMA.2010.034 **Published:** 2010

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Accession Number: WOS:000276879800003

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Record 85 of 120**Title:** An extended Harry Dym hierarchy**Author(s):** Ma, WX (Ma, Wen-Xiu)**Source:** JOURNAL OF PHYSICS A-MATHEMATICAL AND THEORETICAL **Volume:** 43 **Issue:** 16 **Article Number:** 165202 **DOI:** 10.1088/1751-8113/43/16/165202 **Published:** APR 23 2010

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Title: The "ghost" symmetry of the BKP hierarchy

Author(s): Cheng, JP (Cheng, Jipeng); He, JS (He, Jingsong); Hu, S (Hu, Sen)

Source: JOURNAL OF MATHEMATICAL PHYSICS **Volume:** 51 **Issue:** 5 **Article Number:** 053514 **DOI:** 10.1063/1.3397943 **Published:** MAY 2010

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Title: Cauchy-type determinants and integrable systems

Author(s): Schiebold, C (Schiebold, Cornelia)

Source: LINEAR ALGEBRA AND ITS APPLICATIONS **Volume:** 433 **Issue:** 2 **Pages:** 447-475 **DOI:** 10.1016/j.laa.2010.03.011 **Published:** AUG 1 2010

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Accession Number: WOS:000278434100013

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Title: MATERIALS WITH MEMORY: FREE ENERGIES & SOLUTION EXPONENTIAL DECAY

Author(s): Carillo, S (Carillo, Sandra)

Source: COMMUNICATIONS ON PURE AND APPLIED ANALYSIS **Volume:** 9 **Issue:** 5 **Pages:** 1235-1248 **DOI:** 10.3934/cpaa.2010.9.1235 **Published:** SEP 2010

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Title: Supersymmetric reciprocal transformation and its applications

Author(s): Liu, QP (Liu, Q. P.); Popowicz, Z (Popowicz, Ziemowit); Tian, K (Tian, Kai)

Source: JOURNAL OF MATHEMATICAL PHYSICS **Volume:** 51 **Issue:** 9 **Article Number:** 093511 **DOI:** 10.1063/1.3481568 **Published:** SEP 2010

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Accession Number: WOS:000282433200044

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Title: On the application of the Cole-Hopf transformation to hyperbolic equations based on second-sound models

Author(s): Jordan, PM (Jordan, P. M.)

Source: MATHEMATICS AND COMPUTERS IN SIMULATION **Volume:** 81 **Issue:** 1 **Pages:** 18-25 **DOI:** 10.1016/j.matcom.2010.06.011 **Published:** SEP 2010

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Accession Number: WOS:000282566500003

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Title: Loop soliton interaction in an integrable nonlinear telegraphy model: reciprocal and Backlund transformations

Author(s): Rogers, C (Rogers, C.); Schief, WK (Schief, W. K.); Szereszewski, A (Szereszewski, A.)

Source: JOURNAL OF PHYSICS A-MATHEMATICAL AND THEORETICAL **Volume:** 43 **Issue:** 38 **Article Number:** 385210 **DOI:** 10.1088/1751-8113/43/38/385210 **Published:** SEP 24 2010

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Accession Number: WOS:000281535300016

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Title: MINIMUM FREE ENERGY IN THE FREQUENCY DOMAIN FOR A HEAT CONDUCTOR WITH MEMORY
Author(s): Amendola, G (Amendola, Giovambattista); Fabrizio, M (Fabrizio, Mauro); Golden, JM (Golden, John Murrough)
Source: DISCRETE AND CONTINUOUS DYNAMICAL SYSTEMS-SERIES B **Volume:** 14 **Issue:** 3 **Pages:** 793-816 **DOI:** 10.3934/dcdsb.2010.14.793 **Published:** OCT 2010
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Accession Number: WOS:000280382700001

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Title: The q-deformed mKP hierarchy with self-consistent sources, Wronskian solutions and solitons
Author(s): Lin, RL (Lin, Runliang); Peng, H (Peng, Hua); Manas, M (Manas, Manuel)
Source: JOURNAL OF PHYSICS A-MATHEMATICAL AND THEORETICAL **Volume:** 43 **Issue:** 43 **Article Number:** 434022 **DOI:** 10.1088/1751-8113/43/43/434022 **Published:** OCT 29 2010
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Accession Number: WOS:000283300100023

solo Part I

Record 94 of 120**Title:** The noncommutative AKNS system: projection to matrix systems, countable superposition and soliton-like solutions**Author(s):** Schiebold, C (Schiebold, Cornelia)**Source:** JOURNAL OF PHYSICS A-MATHEMATICAL AND THEORETICAL **Volume:** 43 **Issue:** 43 **Article Number:** 434030 **DOI:** 10.1088/1751-8113/43/43/434030 **Published:** OCT 29 2010**Cited References:** Ablowitz M J, 2004, DISCRETE CONTINUOUS

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Accession Number: WOS:000283300100031

Record 95 of 120

Title: A result of existence and uniqueness for an integro-differential system in magneto-viscoelasticity
Author(s): Carillo, S (Carillo, Sandra); Valente, V (Valente, Vanda); Caffarelli, GV (Caffarelli, Giorgio Vergara)
Source: APPLICABLE ANALYSIS **Volume:** 90 **Issue:** 12 **Special Issue:** SI **Pages:** 1791-1802 **DOI:** 10.1080/00036811003735832 **Published:** 2011

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Accession Number: WOS:000299684800002

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Title: An evolution problem in materials with fading memory: solution's existence and uniqueness
Author(s): Carillo, S (Carillo, Sandra)
Source: COMPLEX VARIABLES AND ELLIPTIC EQUATIONS **Volume:** 56 **Issue:** 5 **Pages:** 481-492 **Article Number:** **DOI:** 10.1080/17476931003786667 **Published:** 2011

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Record 97 of 120**Title:** A General Formula of Flow Equations for Harry-Dym Hierarchy**Author(s):** Cheng, JP (Cheng Ji-Peng); He, JS (He Jing-Song); Wang, LH (Wang Li-Hong)**Source:** COMMUNICATIONS IN THEORETICAL PHYSICS **Volume:** 55 **Issue:** 2 **Pages:** 193-198 **DOI:** 10.1088/0253-6102/55/2/01 **Published:** FEB 2011**Cited References:** Date E., 1983, Non-Linear Integrable Systems - Classical Theory and Quantum Theory. Proceedings of RIMS Symposium

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Accession Number: WOS:000287233200001

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Record 98 of 120**Title:** Generalized dressing method for the extended two-dimensional Toda lattice hierarchy and its reductions**Author(s):** Liu, XJ (Liu XiaoJun); Gao, C (Gao Can)**Source:** SCIENCE CHINA-MATHEMATICS **Volume:** 54 **Issue:** 2 **Pages:** 365-380 **DOI:** 10.1007/s11425-010-4086-4 **Published:** FEB 2011**Cited References:** ARATYN H, 2008, ARXIVSOLVINT9808003V

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Accession Number: WOS:000287200600013

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Title: Matrix Korteweg-de Vries and modified Korteweg-de Vries hierarchies: Noncommutative soliton solutions

Author(s): Carillo, S (Carillo, Sandra); Schiebold, C (Schiebold, Cornelia)

Source: JOURNAL OF MATHEMATICAL PHYSICS **Volume:** 52 **Issue:** 5 **Article Number:** 053507 **DOI:** 10.1063/1.3576185 **Published:** MAY 2011

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Accession Number: WOS:000291106000032

Record 100 of 120

Title: Numerical solutions of the m-membranes problem

Author(s): Bozorgnia, F (Bozorgnia, F.); Franek, M (Franek, Marzena)

Source: COMMUNICATIONS IN NONLINEAR SCIENCE AND NUMERICAL SIMULATION **Volume:** 16 **Issue:** 9 **Pages:** 3475-3485 **DOI:** 10.1016/j.cnsns.2010.12.001 **Published:** SEP 2011

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Page 2 (Records 51 -- 100)

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Record 101 of 120

Title: Explicit flow equations and recursion operator of the ncKP hierarchy

Author(s): He, JS (He, Jingsong); Tu, JY (Tu, Junyi); Li, XD (Li, Xiaodong); Wang, LH (Wang, Lihong)

Source: NONLINEARITY **Volume:** 24 **Issue:** 10 **Pages:** 2875-2890 **DOI:** 10.1088/0951-7715/24/10/011 **Published:** OCT 2011

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Accession Number: WOS:000295165900011

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Title: A new (2+1)-dimensional generalization of the modified Korteweg-deVries equation and its infinitely many symmetries

Author(s): Wang, JY (Wang, Jianyong); Hu, HW (Hu, Hanwei); Yu, J (Yu, Jun)

Source: JOURNAL OF MATHEMATICAL PHYSICS **Volume:** 52 **Issue:** 10 **Article Number:** 103704 **DOI:** 10.1063/1.3646091 **Published:** OCT 2011

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Accession Number: WOS:000296521900033

solo Part I

Record 103 of 120**Title:** Dynamics of incoherent elastic layers**Author(s):** Lancioni, G (Lancioni, G.)**Source:** EUROPEAN JOURNAL OF MECHANICS A-SOLIDS **Volume:** 30 **Issue:** 6 **Pages:** 962-975 **DOI:** 10.1016/j.euromechsol.2011.06.005 **Published:** NOV-DEC 2011

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Record 104 of 120

Title: Structural properties of the noncommutative KdV recursion operator

Author(s): Schiebold, C (Schiebold, C.)

Source: JOURNAL OF MATHEMATICAL PHYSICS **Volume:** 52 **Issue:** 11 **Article Number:** 113504 **DOI:** 10.1063/1.3656271 **Published:** NOV 2011

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Title: The time-dependent Schrodinger equation of dimension $k+1$: explicit and rational solutions via GBDT and multinodes

Author(s): Sakhnovich, AL (Sakhnovich, A. L.)

Source: JOURNAL OF PHYSICS A-MATHEMATICAL AND THEORETICAL **Volume:** 44 **Issue:** 47 **Article Number:** 475201 **DOI:** 10.1088/1751-8113/44/47/475201 **Published:** NOV 25 2011

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Accession Number: WOS:000296923400005

Record 106 of 120

Title: EXISTENCE, UNIQUENESS AND EXPONENTIAL DECAY: AN EVOLUTION PROBLEM IN HEAT CONDUCTION WITH MEMORY

Author(s): Carillo, S (Carillo, Sandra)

Source: QUARTERLY OF APPLIED MATHEMATICS **Volume:** 69 **Issue:** 4 **Pages:** 635-649 **Published:** DEC 2011

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Title: THERMODYNAMICS OF A NON-SIMPLE HEAT CONDUCTOR WITH MEMORY

Author(s): Amendola, G (Amendola, Giovambattista); Fabrizio, M (Fabrizio, Mauro); Golden, M (Golden, Murrough)

Source: QUARTERLY OF APPLIED MATHEMATICS **Volume:** 69 **Issue:** 4 **Pages:** 787-806 **Published:** DEC 2011

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Title: Motions of Curves in the Projective Plane Inducing the Kaup-Kupershmidt Hierarchy

Author(s): Musso, E (Musso, Emilio)

Source: SYMMETRY INTEGRABILITY AND GEOMETRY-METHODS AND APPLICATIONS **Volume:** 8 **Article**

Number: 030 **DOI:** 10.3842/SIGMA.2012.030 **Published:** 2012

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Title: Darboux and Backlund transformations of the bidirectional Sawada-Kotera equation

Author(s): Ma, YM (Ma, Yunling); Geng, XG (Geng, Xianguo)

Source: APPLIED MATHEMATICS AND COMPUTATION **Volume:** 218 **Issue:** 12 **Pages:** 6963-6965 **DOI:** 10.1016/j.amc.2011.12.077 **Published:** FEB 15 2012

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Accession Number: WOS:000299847700035

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Title: ON THE RECURSION OPERATOR FOR THE NONCOMMUTATIVE BURGERS HIERARCHY

Author(s): Carillo, S (Carillo, Sandra); Schiebold, C (Schiebold, Cornelia)

Source: JOURNAL OF NONLINEAR MATHEMATICAL PHYSICS **Volume:** 19 **Issue:** 1 **Article Number:** 1250003 **DOI:** 10.1142/S1402925112500039 **Published:** MAR 2012

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Accession Number: WOS:000302022500003

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Title: The transformations between $N=2$ supersymmetric Korteweg-de Vries and Harry Dym equations

Author(s): Tian, K (Tian, Kai); Liu, QP (Liu, Q. P.)

Source: JOURNAL OF MATHEMATICAL PHYSICS **Volume:** 53 **Issue:** 5 **Article Number:** 053503 **DOI:** 10.1063/1.4711770 **Published:** MAY 2012

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Accession Number: WOS:000304827000021

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Title: Lax pair representation and Darboux transformation of noncommutative Painleve's second equation

Author(s): Irfan, M (Irfan, M.)

Source: JOURNAL OF GEOMETRY AND PHYSICS **Volume:** 62 **Issue:** 7 **Pages:** 1575-1582 **DOI:** 10.1016/j.geomphys.2012.01.008 **Published:** JUL 2012

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Accession Number: WOS:000304578500001

Record 113 of 120

Title: Two new supersymmetric equations of Harry Dym type and their supersymmetric reciprocal transformations

Author(s): Tian, K (Tian, Kai); Liu, QP (Liu, Q. P.)

Source: PHYSICS LETTERS A **Volume:** 376 **Issue:** 35 **Pages:** 2334-2340 **DOI:** 10.1016/j.physleta.2012.06.003 **Published:** JUL 16 2012

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Title: Nonlinear Evolution Equations: Backlund Transformations and Backlund Charts

Author(s): Carillo, S (Carillo, Sandra)

Source: ACTA APPLICANDAE MATHEMATICAE **Volume:** 122 **Issue:** 1 **Special Issue:** SI **Pages:** 93-106 **DOI:** 10.1007/s10440-012-9729-8 **Published:** DEC 2012

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Accession Number: WOS:000310951700009

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Title: Matrix generalizations of integrable systems with Lax integro-differential representations

Author(s): Chvartatskyi, O (Chvartatskyi, O.); Sydorenko, Y (Sydorenko, Yu.)

Editor(s): Burdik C; Navratil O; Posta S

Source: XXTH INTERNATIONAL CONFERENCE ON INTEGRABLE SYSTEMS AND QUANTUM SYMMETRIES (ISQS-20) **Book Series:** Journal of Physics Conference Series **Volume:** 411 **Article Number:** 012010 **DOI:** 10.1088/1742-6596/411/1/012010 **Published:** 2013

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Record 20 of 56**Title:** WTC expansions and nonintegrable equations**Author(s):** Kichenassamy, S (Kichenassamy, S)**Source:** STUDIES IN APPLIED MATHEMATICS **Volume:** 102 **Issue:** 1 **Pages:** 1-26 **DOI:** 10.1111/1467-9590.00102 **Published:** JAN 1999**Cited References:** Ablowitz M.J., 1991, SOLITONS NONLINEAR E

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Accession Number: WOS:000078379500001**Document Type:** Article; Proceedings Paper

Record 31 of 56

Title: RANK-2 COMMUTING ORDINARY DIFFERENTIAL-OPERATORS AND DARBOUX CONJUGATES OF KDV

Author(s): LATHAM, GA (LATHAM, GA)

Source: APPLIED MATHEMATICS LETTERS **Volume:** 8 **Issue:** 6 **Pages:** 73-78 **DOI:** 10.1016/0893-9659(95)00088-8 **Published:** NOV 1995

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Page 1 (Records 1 -- 1)

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Record 1 of 1**Title:** On higher-order Riccati equations as Backlund transformations**Author(s):** Grundland, AM (Grundland, AM); Levi, D (Levi, D)**Source:** JOURNAL OF PHYSICS A-MATHEMATICAL AND GENERAL **Volume:** 32 **Issue:** 21 **Pages:** 3931-3937 **DOI:** 10.1088/0305-4470/32/21/306 **Published:** MAY 28 1999**Times Cited in Web of Science:** 14**Total Times Cited:** 14**Cited References:** ABLOWITZ M, 1983, LECT NOTES PHYSICS, V189

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Cited Reference Count: 31**Abstract:** In this short paper we illustrate by few examples the special role played by higher-order Riccati equations in the construction of Backlund transformations for integrable systems.**Accession Number:** WOS:000080794500007**Language:** English**Document Type:** Article**Addresses:** Univ Montreal, Ctr Rech Math, Montreal, PQ H3C 3J7, Canada.

Univ Rome, Dipartimento Fis, Ist Nazl Fis Nucl, Ses Roma 1, I-00185 Rome, Italy.

Reprint Address: Grundland, AM (reprint author), Univ Montreal, Ctr Rech Math, CP 6128, Ctr Ville, Montreal, PQ H3C 3J7, Canada.**Publisher:** IOP PUBLISHING LTD

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Da qui 2013 (11 citazioni)

Title: Matrix generalizations of integrable systems with Lax integro-differential representations

Author(s): Chvartatskyi, O (Chvartatskyi, O.); Sydorenko, Y (Sydorenko, Yu.)

Editor(s): Burdik C; Navratil O; Posta S

Source: XXTH INTERNATIONAL CONFERENCE ON INTEGRABLE SYSTEMS AND QUANTUM SYMMETRIES (ISQS-20) **Book Series:** Journal of Physics Conference Series **Volume:** 411 **Article Number:** 012010 **DOI:** 10.1088/1742-6596/411/1/012010 **Published:** 2013

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solo Part I

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Title: A NOTE ON THE INTEGRAL APPROACH TO NON-LINEAR HEAT CONDUCTION WITH JEFFREY'S FADING MEMORY

Author(s): Hristov, J (Hristov, Jordan)

Source: THERMAL SCIENCE **Volume:** 17 **Issue:** 3 **Pages:** 733-737 **DOI:** 10.2298/TSCI120826076H **Published:** 2013

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Record 117 of 120

Title: Topological Soliton and Other Exact Solutions to KdV-Caudrey-Dodd-Gibbon Equation

Author(s): Biswas, A (Biswas, Anjan); Ebadi, G (Ebadi, Ghodrat); Triki, H (Triki, Houria); Yildirim, A (Yildirim, Ahmet); Yousefzadeh, N (Yousefzadeh, Nazila)

Source: RESULTS IN MATHEMATICS **Volume:** 63 **Issue:** 1-2 **Pages:** 687-703 **DOI:** 10.1007/s00025-011-0226-6 **Published:** FEB 2013

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Title: On the squared eigenfunction symmetry of the Toda lattice hierarchy

Author(s): Cheng, JP (Cheng, Jipeng); He, JS (He, Jingsong)

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Title: Squared Eigenfunction Symmetries for the BTL and CTL Hierarchies

Author(s): Cheng, JP (Cheng Ji-Peng); He, JS (He Jing-Song)

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Title: A LINEAR VISCOELASTICITY PROBLEM WITH A SINGULAR MEMORY KERNEL: AN EXISTENCE AND UNIQUENESS RESULT

Author(s): Carillo, S (Carillo, Sandra); Valente, V (Valente, Vanda); Caffarelli, GV (Caffarelli, Giorgio Vergara)

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