**Objavljeni radovi kandidata Nikola Z. Petrović**

**RADOVI U MEĐUNARODNIM ČASOPISIMA**

**RADOVI U VRHUNSKOM MEĐUNARODNOM ČASOPISU M21**

[1] W.-P. Zhong, R.-H.Xie, M. Belić, N. Z. Petrović, G. Chen and L. Yi, “Exact spatial soliton solutions of the two-dimensional generalized nonlinear Schrödinger equation

with distributed coefficients,’’Phys. Rev. A 78,

023821 (2008).

IF=2.904 (6/64)

1.

Title: Rogue wave solutions to the generalized nonlinear Schrodinger equation with variable coefficients

Author(s): Zhong, Wei-Ping; Belic, Milivoj R.; Huang, Tingwen

Source: PHYSICAL REVIEW E Volume: 87 Issue: 6 Article Number: 065201 DOI: 10.1103/PhysRevE.87.065201 Published: JUN 7 2013

2.

Title: Dynamics of Nonautonomous Dark Solitons

Author(s): Liu Chong; Yang Zhan-Ying; Zhang Ming; et al.

Source: COMMUNICATIONS IN THEORETICAL PHYSICS Volume: 59 Issue: 6 Pages: 703-710 DOI: 10.1088/0253-6102/59/6/09 Published: JUN 2013

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Title: Dynamics of optical rogue waves in inhomogeneous nonlinear waveguides

Author(s): Zhang Jie-Fang; Jin Mei-Zhen; He Ji-Da; et al.

Source: CHINESE PHYSICS B Volume: 22 Issue: 5 Article Number: 054208 DOI: 10.1088/1674-1056/22/5/054208 Published: MAY 2013

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Title: Solitary waves in the nonlinear Schrodinger equation with spatially modulated Bessel nonlinearity

Author(s): Zhong, Wei-Ping; Belic, Milivoj R.; Huang, Tingwen

Source: JOURNAL OF THE OPTICAL SOCIETY OF AMERICA B-OPTICAL PHYSICS Volume: 30 Issue: 5 Pages: 1276-1283 DOI: 10.1364/JOSAB.30.001276 Published: MAY 2013

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Title: Controlling the propagation of optical rogue waves in nonlinear graded-index waveguide amplifiers

Author(s): Zhang, Jiefang; Hu, Wencheng

Source: CHINESE OPTICS LETTERS Volume: 11 Issue: 3 Article Number: 031901 DOI: 10.3788/COL201311.031901 Published: MAR 10 2013

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Title: Traveling-waves and solitons in a generalized time-variable coefficients nonlinear Schrodinger equation with higher-order terms

Author(s): Yomba, Emmanuel

Source: PHYSICS LETTERS A Volume: 377 Issue: 3-4 Pages: 167-175 DOI: 10.1016/j.physleta.2012.11.049 Published: JAN 3 2013

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Title: Periodic soliton solutions of the nonlinear Schrodinger equation with variable nonlinearity and external parabolic potential

Author(s): Zhong, Wei-Ping; Belic, Milivoj R.; Huang, Tingwen

Source: OPTIK Volume: 124 Issue: 16 Pages: 2397-2400 DOI: 10.1016/j.ijleo.2012.07.047 Published: 2013

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Title: Spatial similaritons in the (2+1)-dimensional inhomogeneous cubic-quintic nonlinear Schrodinger equation

Author(s): Dai, Chao-Qing; Ye, Jian-Feng; Chen, Xin-Fen

Source: OPTICS COMMUNICATIONS Volume: 285 Issue: 19 Pages: 3988-3994 DOI: 10.1016/j.optcom.2012.05.056 Published: SEP 1 2012

9.

Title: The compression and stretching of similaritons with nonlinear tunneling in optical fibers

Author(s): Chen, Yi-Xiang; Lu, Xuan-Hui

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Title: Self-Similar Vortex Solitons for the Distributed-Coefficient Nonlinear Schrodinger Equation

Author(s): Zhao Bi; Dai Chao-Qing; Zhang Jie-Fang

Source: CHINESE PHYSICS LETTERS Volume: 29 Issue: 8 Article Number: 084201 DOI: 10.1088/0256-307X/29/8/084201 Published: AUG 2012

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Title: Breather solutions to the nonlinear Schrodinger equation with variable coefficients and a linear potential

Author(s): Yang, Zhengping; Zhong, Wei-Ping; Belic, Milivoj R.

Source: PHYSICA SCRIPTA Volume: 86 Issue: 1 Article Number: 015402 DOI: 10.1088/0031-8949/86/01/015402 Published: JUL 2012

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Title: ROGUE WAVE SOLUTIONS OF THE GENERALIZED ONE-DIMENSIONAL GROSS-PITAEVSKII EQUATION

Author(s): Zhong, Wei-Ping

Source: JOURNAL OF NONLINEAR OPTICAL PHYSICS & MATERIALS Volume: 21 Issue: 2 Article Number: 1250026 DOI: 10.1142/S0218863512500269 Published: JUN 2012

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Title: Exact Analytical Solutions for the (2+1)-Dimensional Generalized Variable-Coefficients Gross-Pitaevskii Equation

Author(s): Jing, Jian-Chun; Li, Biao

Source: CHINESE JOURNAL OF PHYSICS Volume: 50 Issue: 3 Pages: 413-424 Published: JUN 2012

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Title: Exact traveling wave solutions to coupled generalized nonlinear Schrodinger equations

Author(s): Petrovic, Nikola; Zahreddine, Hussein

Source: PHYSICA SCRIPTA Volume: T149 Article Number: 014039 DOI: 10.1088/0031-8949/2012/T149/014039 Published: APR 2012

15.

Title: Dynamics of analytical three-dimensional solutions in Bose-Einstein condensates with time-dependent gain and potential

Author(s): Li, Jing; Zong, Feng-De; Song, Chang-Sheng; et al.

Source: PHYSICAL REVIEW E Volume: 85 Issue: 3 Article Number: 036607 DOI: 10.1103/PhysRevE.85.036607 Part: 2 Published: MAR 30 2012

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Author(s): Dai, Chao-Qing; Xu, Yun-Jie

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Title: Exact solutions of the generalized nonlinear Schrodinger equation with time- and space-modulated coefficients

Author(s): Zhang, Xiao-Fei; Wen, Lin; Luo, Xiao-Bing; et al.

Source: PHYSICS LETTERS A Volume: 376 Issue: 4 Pages: 465-468 DOI: 10.1016/j.physleta.2011.10.054 Published: JAN 9 2012

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Title: Rational solutions and spatial solitons for the (2+1)-dimensional nonlinear Schrodinger equation with distributed coefficients

Author(s): Ma Zheng-Yi; Ma Song-Hua; Yang Yi

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Title: VARIETIES OF EXACT SOLUTIONS FOR THE (2+1)-DIMENSIONAL NONLINEAR SCHRODINGER EQUATION WITH THE TRAPPING POTENTIAL

Author(s): Zhong, Wei-Ping; Belic, Milivoj R.; Mihalache, Dumitru; et al.

Source: ROMANIAN REPORTS IN PHYSICS Volume: 64 Supplement: S Pages: 1399-1412 Published: 2012

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Title: Vortex Spatial Solitons to a Nonlinear Schrodinger Equation with Varying Coefficients

Author(s): Xu Si-Liu; Liang Jian-Chu; Li Zhong-Ming

Source: COMMUNICATIONS IN THEORETICAL PHYSICS Volume: 56 Issue: 6 Pages: 1105-1110 DOI: 10.1088/0253-6102/56/6/23 Published: DEC 2011

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Title: Matter-wave solitons in heteronuclear atomic Bose-Einstein condensates with synchronously controllable interactions and potentials

Author(s): Ding, Cai-Ying; Zhang, Xiao-Fei; Zhao, Dun; et al.

Source: PHYSICAL REVIEW A Volume: 84 Issue: 5 Article Number: 053631 DOI: 10.1103/PhysRevA.84.053631 Published: NOV 28 2011

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Title: Localized nonlinear wavepackets with radial-azimuthal modulated nonlinearity and an external potential

Author(s): Zhong, Wei-Ping; Belic, Milivoj R.; Assanto, Gaetano

Source: PHYSICA SCRIPTA Volume: 84 Issue: 5 Article Number: 055001 DOI: 10.1088/0031-8949/84/05/055001 Published: NOV 2011

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Title: SPATIAL SOLITONS IN NONLINEAR SCHRODINGER EQUATION WITH VARIABLE NONLINEARITY AND QUADRATIC EXTERNAL POTENTIAL

Author(s): Xia, Yuzhou; Zhong, Wei-Ping; Belic, Milivoj

Source: ACTA PHYSICA POLONICA B Volume: 42 Issue: 8 Pages: 1881-1890 DOI: 10.5506/APhysPolB.42.1881 Published: AUG 2011

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Title: Analytical chirped solutions to the (3+1)-dimensional Gross-Pitaevskii equation for various diffraction and potential functions

Author(s): Al Bastami, Anas; Belic, Milivoj R.; Milovic, Daniela; et al.

Source: PHYSICAL REVIEW E Volume: 84 Issue: 1 Article Number: 016606 DOI: 10.1103/PhysRevE.84.016606 Part: 2 Published: JUL 22 2011

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Title: Chirped Wave Solutions of a Generalized (3+1)-Dimensional Nonlinear Schrodinger Equation

Author(s): Lai, Xian-Jing; Cai, Xiao-Ou

Source: ZEITSCHRIFT FUR NATURFORSCHUNG SECTION A-A JOURNAL OF PHYSICAL SCIENCES Volume: 66 Issue: 6-7 Pages: 392-400 Published: JUN-JUL 2011

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Title: Exact spatiotemporal wave and soliton solutions to the generalized (3+1)-dimensional nonlinear Schrodinger equation with linear potential

Author(s): Petrovic, Nikola Z.; Zahreddine, Hussein; Belic, Milivoj R.

Source: PHYSICA SCRIPTA Volume: 83 Issue: 6 Article Number: 065001 DOI: 10.1088/0031-8949/83/06/065001 Published: JUN 2011

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Title: Chirped Waves for a Generalized (2+1)-Dimensional Nonlinear Schrodinger Equation

Author(s): Lai Xian-Jing

Source: COMMUNICATIONS IN THEORETICAL PHYSICS Volume: 55 Issue: 4 Pages: 555-559 DOI: 10.1088/0253-6102/55/4/04 Published: APR 2011

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Title: Analytical traveling-wave and solitary solutions to the generalized Gross-Pitaevskii equation with sinusoidal time-varying diffraction and potential

Author(s): Petrovic, Nikola Z.; Aleksic, Najdan B.; Al Bastami, Anas; et al.

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Title: Special soliton structures in the (2+1)-dimensional nonlinear Schrodinger equation with radially variable diffraction and nonlinearity coefficients

Author(s): Zhong, Wei-Ping; Belic, Milivoj R.; Xia, Yuzhou

Source: PHYSICAL REVIEW E Volume: 83 Issue: 3 Article Number: 036603 DOI: 10.1103/PhysRevE.83.036603 Part: 2 Published: MAR 14 2011

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Title: Nonautonomous spatiotemporal localized structures in the inhomogeneous optical fibers: Interaction and control

Author(s): Dai, Chaoqing; Wang, Xiaogang; Zhang, Jiefang

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Title: Evolution of the exact spatiotemporal periodic wave and soliton solutions of the (3+1)-dimensional generalized nonlinear Schrodinger equation with distributed coefficients

Author(s): Deng, Yangbao; Wang, Canhua; Fu, Xiquan; et al.

Source: OPTICS COMMUNICATIONS Volume: 284 Issue: 5 Pages: 1364-1369 DOI: 10.1016/j.optcom.2010.10.035 Published: MAR 1 2011

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Title: Exact traveling-wave and spatiotemporal soliton solutions to the generalized (3+1)-dimensional Schrodinger equation with polynomial nonlinearity of arbitrary order

Author(s): Petrovic, Nikola Z.; Belic, Milivoj; Zhong, Wei-Ping

Source: PHYSICAL REVIEW E Volume: 83 Issue: 2 Article Number: 026604 DOI: 10.1103/PhysRevE.83.026604 Part: 2 Published: FEB 28 2011

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Title: Analytical soliton solutions for the general nonlinear Schrodinger equation including linear and nonlinear gain (loss) with varying coefficients

Author(s): Wang Liang-liang; Qian Cun; Dai Chao-qing; et al.

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Title: Traveling wave and soliton solutions of coupled nonlinear Schrodinger equations with harmonic potential and variable coefficients

Author(s): Zhong, Wei-Ping; Belic, Milivoj

Source: PHYSICAL REVIEW E Volume: 82 Issue: 4 Article Number: 047601 DOI: 10.1103/PhysRevE.82.047601 Part: 2 Published: OCT 19 2010

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Title: Exact spatial similaritons for the generalized (2+1)-dimensional nonlinear Schrodinger equation with distributed coefficients

Author(s): Dai, Chao-Qing; Zhu, Shi-Qun; Wang, Liang-Liang; et al.

Source: EPL Volume: 92 Issue: 2 Article Number: 24005 DOI: 10.1209/0295-5075/92/24005 Published: OCT 2010

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Title: Exact spatial similaritons and rogons in 2D graded-index waveguides

Author(s): Dai, Chaoqing; Zhang, Jiefang

Source: OPTICS LETTERS Volume: 35 Issue: 15 Pages: 2651-2653 Published: AUG 1 2010

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Title: Self-Similar Solutions of Variable-Coefficient Cubic-Quintic Nonlinear Schrodinger Equation with an External Potential

Author(s): Wu Hong-Yu; Fei Jin-Xi; Zheng Chun-Long

Source: COMMUNICATIONS IN THEORETICAL PHYSICS Volume: 54 Issue: 1 Pages: 55-59 Published: JUL 15 2010

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Title: Hamiltonian structure of propagation equations for ultrashort optical pulses

Author(s): Amiranashvili, Sh.; Demircan, A.

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Title: SPECIAL SOLUTIONS OF THE RICCATI EQUATION WITH APPLICATIONS TO THE GROSS-PITAEVSKII NONLINEAR PDE

Author(s): Al Bastami, Anas; Belic, Milivoj R.; Petrovic, Nikola Z.

Source: ELECTRONIC JOURNAL OF DIFFERENTIAL EQUATIONS Article Number: 66 Published: MAY 8 2010

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Title: Analytical spatiotemporal localizations for the generalized (3+1)-dimensional nonlinear Schrodinger equation

Author(s): Dai, Chaoqing; Wang, Yueyue; Zhang, Jiefang

Source: OPTICS LETTERS Volume: 35 Issue: 9 Pages: 1437-1439 DOI: 10.1364/OL.35.001437 Published: MAY 1 2010

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Title: Soliton tunneling in the nonlinear Schrodinger equation with variable coefficients and an external harmonic potential

Author(s): Zhong, Wei-Ping; Belic, Milivoj R.

Source: PHYSICAL REVIEW E Volume: 81 Issue: 5 Article Number: 056604 DOI: 10.1103/PhysRevE.81.056604 Part: 2 Published: MAY 2010

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Title: Spatiotemporal wave and soliton solutions to the generalized (3+1)-dimensional Gross-Pitaevskii equation

Author(s): Petrovic, Nikola Z.; Belic, Milivoj; Zhong, Wei-Ping

Source: PHYSICAL REVIEW E Volume: 81 Issue: 1 Article Number: 016610 DOI: 10.1103/PhysRevE.81.016610 Part: 2 Published: JAN 2010

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Title: Traveling and solitary wave solutions to the one-dimensional Gross-Pitaevskii equation

Author(s): Zhong, Wei-Ping; Belic, Milivoj R.; Lu, Yiqin; et al.

Source: PHYSICAL REVIEW E Volume: 81 Issue: 1 Article Number: 016605 DOI: 10.1103/PhysRevE.81.016605 Part: 2 Published: JAN 2010

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Title: Spatial Soliton Solutions in a Harmonic Potential

Author(s): Xu Si-Liu; Liang Jian-Chu; Yi Lin

Source: CHINESE PHYSICS LETTERS Volume: 26 Issue: 7 Article Number: 074215 Published: JUL 2009

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Title: Exact spatiotemporal wave and soliton solutions to the generalized (3+1)-dimensional Schrodinger equation for both normal and anomalous dispersion

Author(s): Petrovic, Nikola Z.; Belic, Milivoj; Zhong, Wei-Ping; et al.

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Title: Two-Dimensional Spatial Solitons in Nematic Liquid Crystals

Author(s): Zhong Wei-Ping; Yang Zheng-Ping; Xie Rui-Hua; et al.

Source: COMMUNICATIONS IN THEORETICAL PHYSICS Volume: 51 Issue: 2 Pages: 324-330 Published: FEB 2009

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Title: Analytical light bullet solutions to the generalized (3+1)-dimensional nonlinear schrodinger equation

Author(s): Belic, Milivoj; Petrovic, Nikola; Zhong, Wei-Ping; et al.

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Title: Exact spatial soliton solutions of the two-dimensional generalized nonlinear Schrodinger equation with distributed coefficients (vol 78, art no 023821, 2008)

Author(s): Zhong, Wei-Ping; Xie, Rui-Hua; Belic, Milivoj; et al.

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Author(s): Zhong, Wei-Ping; Xie, Rui-Hua; Belic, Milivoj; et al.

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50.Title: Two-Dimensional Self-Similar Rotating Azimuthons in Strongly Nonlocal Nonlinear Media

Author(s): Lai, Xian-Jing; Jin, Mei-Zhen; Zhang, Jie-Fang

Source: CHINESE JOURNAL OF PHYSICS Volume: 51 Issue: 2 Pages: 230-242 DOI: 10.6122/CJP.51.230 Published: APR 2013

51.Title: Breathing Azimuthons in Nonlocal Nonlinear Media

Author(s): Lai, Xian-Jing; Cai, Xiao-Ou; Ni, Xiao-Jing

Source: ZEITSCHRIFT FUR NATURFORSCHUNG SECTION A-A JOURNAL OF PHYSICAL SCIENCES Volume: 67 Issue: 10-11 Pages: 581-588 DOI: 10.5560/ZNA.2012-0056 Published: OCT-NOV 2012

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IF=7.180 (5/68)

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Title: Exact solitons in three-dimensional weakly nonlocal nonlinear time-modulated parabolic law media

Author(s): Zhou, Qin; Yao, Duanzheng; Liu, Xiaona; et al.

Source: OPTICS AND LASER TECHNOLOGY Volume: 51 Pages: 32-35 DOI: 10.1016/j.optlastec.2013.03.006 Published: OCT 2013

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Title: Resonance solitons produced by azimuthal modulation in self-focusing and self-defocusing materials

Author(s): Zhong, Wei-Ping; Belic, Milivoj

Source: NONLINEAR DYNAMICS Volume: 73 Issue: 4 Pages: 2091-2102 DOI: 10.1007/s11071-013-0925-5 Published: SEP 2013

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Title: Rogue wave solutions to the generalized nonlinear Schrodinger equation with variable coefficients

Author(s): Zhong, Wei-Ping; Belic, Milivoj R.; Huang, Tingwen

Source: PHYSICAL REVIEW E Volume: 87 Issue: 6 Article Number: 065201 DOI: 10.1103/PhysRevE.87.065201 Published: JUN 7 2013

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Title: Dynamics of Nonautonomous Dark Solitons

Author(s): Liu Chong; Yang Zhan-Ying; Zhang Ming; et al.

Source: COMMUNICATIONS IN THEORETICAL PHYSICS Volume: 59 Issue: 6 Pages: 703-710 DOI: 10.1088/0253-6102/59/6/09 Published: JUN 2013

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Title: Optical rogue waves in the generalized inhomogeneous higher-order nonlinear Schrodinger equation with modulating coefficients

Author(s): Yan, Zhenya; Dai, Chaoqing

Source: JOURNAL OF OPTICS Volume: 15 Issue: 6 Special Issue: SI Article Number: 064012 DOI: 10.1088/2040-8978/15/6/064012 Published: JUN 2013

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Title: Solitary waves in the nonlinear Schrodinger equation with spatially modulated Bessel nonlinearity

Author(s): Zhong, Wei-Ping; Belic, Milivoj R.; Huang, Tingwen

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Title: Accessible spatiotemporal parabolic-cylinder solitons

Author(s): Zhong, Wei-Ping; Belic, Milivoj R.; Malomed, Boris A.; et al.

Source: JOURNAL OF PHYSICS B-ATOMIC MOLECULAR AND OPTICAL PHYSICS Volume: 46 Issue: 7 Article Number: 075401 DOI: 10.1088/0953-4075/46/7/075401 Published: APR 14 2013

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Title: Vortex solitons in the (2+1)-dimensional nonlinear Schrodinger equation with variable diffraction and nonlinearity coefficients

Author(s): Xu, Siliu; Petrovic, Nikola Z.; Belic, Milivoj R.

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Title: SPATIOTEMPORAL STRONGLY NONLOCAL SPHERICAL LIGHT BULLETS

Author(s): Zhong, Wei-Ping

Source: JOURNAL OF NONLINEAR OPTICAL PHYSICS & MATERIALS Volume: 22 Issue: 1 Article Number: 1350006 DOI: 10.1142/S0218863513500069 Published: MAR 2013

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Title: Exact Solutions of the Two-Dimensional Cubic-Quintic Nonlinear Schrodinger Equation with Spatially Modulated Nonlinearities

Author(s): Song Xiang; Li Hua-Mei

Source: COMMUNICATIONS IN THEORETICAL PHYSICS Volume: 59 Issue: 3 Pages: 290-294 DOI: 10.1088/0253-6102/59/3/08 Published: MAR 2013

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Title: Traveling-waves and solitons in a generalized time-variable coefficients nonlinear Schrodinger equation with higher-order terms

Author(s): Yomba, Emmanuel

Source: PHYSICS LETTERS A Volume: 377 Issue: 3-4 Pages: 167-175 DOI: 10.1016/j.physleta.2012.11.049 Published: JAN 3 2013

12.

Title: Optical soliton perturbation with time- and space-dependent dissipation (or gain) and nonlinear dispersion in Kerr and non-Kerr media

Author(s): Zhou, Qin; Yao, Duanzheng; Xu, Qianqian; et al.

Source: OPTIK Volume: 124 Issue: 16 Pages: 2368-2372 DOI: 10.1016/j.ijleo.2012.07.045 Published: 2013

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Title: Three-dimensional spatiotemporal vector solitary waves in coupled nonlinear Schrodinger equations with variable coefficients

Author(s): Xu, Si-Liu; Belic, Milivoj R.; Zhong, Wei-Ping

Source: JOURNAL OF THE OPTICAL SOCIETY OF AMERICA B-OPTICAL PHYSICS Volume: 30 Issue: 1 Pages: 113-122 Published: JAN 2013

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Author(s): Dutta, Manjistha; Ghosh, Samiran; Chakrabarti, Nikhil

Source: PHYSICAL REVIEW E Volume: 86 Issue: 6 Article Number: 066408 DOI: 10.1103/PhysRevE.86.066408 Part: 2 Published: DEC 18 2012

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Title: The realization of controllable three dimensional rogue waves in nonlinear inhomogeneous system

Author(s): Dai, Chao-Qing; Wang, Yue-Yue; Zhou, Guo-Quan

Source: CHAOS SOLITONS & FRACTALS Volume: 45 Issue: 11 Pages: 1291-1300 DOI: 10.1016/j.chaos.2012.07.011 Published: NOV 2012

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Title: Analytical spatiotemporal soliton solutions to (3+1)-dimensional cubic-quintic nonlinear Schrodinger equation with distributed coefficients

Author(s): Kumar, Hitender; Malik, Anand; Chand, Fakir

Source: JOURNAL OF MATHEMATICAL PHYSICS Volume: 53 Issue: 10 Article Number: 103704 DOI: 10.1063/1.4754433 Published: OCT 2012

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Title: Analytical spinless light-bullet solutions as attractive fixed points in the three-dimensional cubic-quintic complex Ginzburg-Landau equation

Author(s): Chen, Shihua

Source: PHYSICAL REVIEW A Volume: 86 Issue: 3 Article Number: 033829 DOI: 10.1103/PhysRevA.86.033829 Published: SEP 24 2012

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Title: Dynamics of Matter-Wave Solitons for Three-Dimensional Bose-Einstein Condensates with Time-Space Modulation

Author(s): Xiong Na; Li Biao

Source: CHINESE PHYSICS LETTERS Volume: 29 Issue: 9 Article Number: 090303 DOI: 10.1088/0256-307X/29/9/090303 Published: SEP 2012

19.

Title: The compression and stretching of similaritons with nonlinear tunneling in optical fibers

Author(s): Chen, Yi-Xiang; Lu, Xuan-Hui

Source: OPTICS COMMUNICATIONS Volume: 285 Issue: 18 Pages: 3890-3895 DOI: 10.1016/j.optcom.2012.05.052 Published: AUG 15 2012

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Title: Spatiotemporal Rogue Waves for the Variable-Coefficient (3+1)-Dimensional Nonlinear Schrodinger Equation

Author(s): Wang Yue-Yue; Dai Chao-Qing

Source: COMMUNICATIONS IN THEORETICAL PHYSICS Volume: 58 Issue: 2 Pages: 255-260 DOI: 10.1088/0253-6102/58/2/15 Published: AUG 2012

21.

Title: Breather solutions to the nonlinear Schrodinger equation with variable coefficients and a linear potential

Author(s): Yang, Zhengping; Zhong, Wei-Ping; Belic, Milivoj R.

Source: PHYSICA SCRIPTA Volume: 86 Issue: 1 Article Number: 015402 DOI: 10.1088/0031-8949/86/01/015402 Published: JUL 2012

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Title: Self-Trapping of Three-Dimensional Spatiotemporal Solitary Waves in Self-Focusing Kerr Media

Author(s): Yang Zheng-Ping; Zhong Wei-Ping

Source: CHINESE PHYSICS LETTERS Volume: 29 Issue: 6 Article Number: 064211 DOI: 10.1088/0256-307X/29/6/064211 Published: JUN 2012

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Title: Spatiotemporal propagation characteristics based on the exact solutions of the generalized nonlinear Schrodinger equation by intensity moments

Author(s): Deng, Yangbao; Fu, Xiquan; Tan, Chao

Source: OPTICS COMMUNICATIONS Volume: 285 Issue: 12 Pages: 2924-2933 DOI: 10.1016/j.optcom.2012.02.030 Published: JUN 1 2012

24.

Title: Dynamics of analytical three-dimensional solutions in Bose-Einstein condensates with time-dependent gain and potential

Author(s): Li, Jing; Zong, Feng-De; Song, Chang-Sheng; et al.

Source: PHYSICAL REVIEW E Volume: 85 Issue: 3 Article Number: 036607 DOI: 10.1103/PhysRevE.85.036607 Part: 2 Published: MAR 30 2012

25.

Title: Exact self-similar wave solutions for the generalized (3+1)-dimensional cubic-quintic nonlinear Schroinger equation with distributed coefficients

Author(s): Liu, Xiao-Bei; Zhang, Xiao-Fei; Li, Biao

Source: OPTICS COMMUNICATIONS Volume: 285 Issue: 5 Pages: 779-783 DOI: 10.1016/j.optcom.2011.11.004 Published: MAR 1 2012

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Title: Spatiotemporal similariton interactions in a linear potential

Author(s): Chen, Yi-Xiang; Lu, Xuan-Hui

Source: PHYSICA SCRIPTA Volume: 85 Issue: 2 Article Number: 025010 DOI: 10.1088/0031-8949/85/02/025010 Published: FEB 2012

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Title: Solutions of the cylindrical nonlinear Maxwell equations

Author(s): Xiong, Hao; Si, Liu-Gang; Ding, Chunling; et al.

Source: PHYSICAL REVIEW E Volume: 85 Issue: 1 Article Number: 016602 DOI: 10.1103/PhysRevE.85.016602 Part: 2 Published: JAN 9 2012

28.

Title: VARIETIES OF EXACT SOLUTIONS FOR THE (2+1)-DIMENSIONAL NONLINEAR SCHRODINGER EQUATION WITH THE TRAPPING POTENTIAL

Author(s): Zhong, Wei-Ping; Belic, Milivoj R.; Mihalache, Dumitru; et al.

Source: ROMANIAN REPORTS IN PHYSICS Volume: 64 Supplement: S Pages: 1399-1412 Published: 2012

29.

Title: Localized Spatial Soliton Excitations in (2+1)-Dimensional Nonlinear Schrodinger Equation with Variable Non linearity and an External Potential

Author(s): Zhong Wei-Ping; Belic, Milivoj R.; Huang Ting-Wen

Source: COMMUNICATIONS IN THEORETICAL PHYSICS Volume: 57 Issue: 1 Pages: 127-132 DOI: 10.1088/0253-6102/57/1/19 Published: JAN 2012

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Title: Matter-wave solitons in heteronuclear atomic Bose-Einstein condensates with synchronously controllable interactions and potentials

Author(s): Ding, Cai-Ying; Zhang, Xiao-Fei; Zhao, Dun; et al.

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Title: Dynamics of solitons of the generalized (3+1)-dimensional nonlinear Schrodinger equation with distributed coefficients

Author(s): Liu Xiao-Bei; Li Biao

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Title: Localized nonlinear wavepackets with radial-azimuthal modulated nonlinearity and an external potential

Author(s): Zhong, Wei-Ping; Belic, Milivoj R.; Assanto, Gaetano

Source: PHYSICA SCRIPTA Volume: 84 Issue: 5 Article Number: 055001 DOI: 10.1088/0031-8949/84/05/055001 Published: NOV 2011

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Title: Solitary waves in the nonlinear Schrodinger equation with Hermite-Gaussian modulation of the local nonlinearity

Author(s): Zhong, Wei-Ping; Belic, Milivoj R.; Malomed, Boris A.; et al.

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Author(s): Zhong, Wei-Ping; Belic, Milivoj; Assanto, Gaetano; et al.

Source: PHYSICAL REVIEW A Volume: 84 Issue: 4 Article Number: 043801 DOI: 10.1103/PhysRevA.84.043801 Published: OCT 3 2011

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Title: Analytical spatiotemporal similaritons for the generalized (3+1)-dimensional Gross-Pitaevskii equation with an external harmonic trap

Author(s): Dai, Chaoqing; Chen, Ruipin; Zhang, Jiefang

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Author(s): Li, Hui-jun; Wu, Yuan-po; Huang, Guoxiang

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Title: Spatiotemporal self-similar nonlinear tunneling effects in the (3+1)-dimensional inhomogeneous nonlinear medium with the linear and nonlinear gain

Author(s): Wang, Yue-Yue; He, Ji-Da; Dai, Chao-Qing

Source: OPTICS COMMUNICATIONS Volume: 284 Issue: 19 Pages: 4738-4744 DOI: 10.1016/j.optcom.2011.06.026 Published: SEP 1 2011

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Title: SPATIAL SOLITONS IN NONLINEAR SCHRODINGER EQUATION WITH VARIABLE NONLINEARITY AND QUADRATIC EXTERNAL POTENTIAL

Author(s): Xia, Yuzhou; Zhong, Wei-Ping; Belic, Milivoj

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Author(s): Lai, Xian-Jing; Cai, Xiao-Ou

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Author(s): Zhong, Wei-Ping; Belic, Milivoj; Assanto, Gaetano; et al.

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Author(s): Shim, Bonggu; Schrauth, Samuel E.; Gaeta, Alexander L.

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Author(s): Chen Yi-Xiang; Lu Xuan-Hui

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Title: Self-trapping of scalar and vector dipole solitary waves in Kerr media

Author(s): Zhong, Wei-Ping; Belic, Milivoj R.; Assanto, Gaetano; et al.

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Title: Spatiotemporal self-similar waves for the (3+1)-dimensional inhomogeneous cubic-quintic nonlinear medium

Author(s): Jiang, Li-Hong; Wu, Hong-Yu

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Title: Special soliton structures in the (2+1)-dimensional nonlinear Schrodinger equation with radially variable diffraction and nonlinearity coefficients

Author(s): Zhong, Wei-Ping; Belic, Milivoj R.; Xia, Yuzhou

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Author(s): Dai, Chaoqing; Wang, Xiaogang; Zhang, Jiefang

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Title: Evolution of the exact spatiotemporal periodic wave and soliton solutions of the (3+1)-dimensional generalized nonlinear Schrodinger equation with distributed coefficients

Author(s): Deng, Yangbao; Wang, Canhua; Fu, Xiquan; et al.

Source: OPTICS COMMUNICATIONS Volume: 284 Issue: 5 Pages: 1364-1369 DOI: 10.1016/j.optcom.2010.10.035 Published: MAR 1 2011

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Title: Exact traveling-wave and spatiotemporal soliton solutions to the generalized (3+1)-dimensional Schrodinger equation with polynomial nonlinearity of arbitrary order

Author(s): Petrovic, Nikola Z.; Belic, Milivoj; Zhong, Wei-Ping

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Author(s): Fei, Jin-Xi; Zheng, Chun-Long

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Author(s): Zhong, W-P; Belic, M.; Huang, T.

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Author(s): Wang Liang-liang; Qian Cun; Dai Chao-qing; et al.

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Author(s): Zhong, Wei-Ping; Belic, Milivoj

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Title: Three-dimensional Bessel light bullets in self-focusing Kerr media

Author(s): Zhong, Wei-Ping; Belic, Milivoj; Huang, Tingwen

Source: PHYSICAL REVIEW A Volume: 82 Issue: 3 Article Number: 033834 DOI: 10.1103/PhysRevA.82.033834 Published: SEP 29 2010

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Author(s): Wu Hong-Yu; Fei Jin-Xi; Zheng Chun-Long

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Title: Hamiltonian structure of propagation equations for ultrashort optical pulses

Author(s): Amiranashvili, Sh.; Demircan, A.

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Author(s): Dai, Chaoqing; Wang, Yueyue; Zhang, Jiefang

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Title: Soliton tunneling in the nonlinear Schrodinger equation with variable coefficients and an external harmonic potential

Author(s): Zhong, Wei-Ping; Belic, Milivoj R.

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Title: Jacobi elliptic function solutions of the generalized Zakharov-Kuznetsov equation with nonlinear dispersion and t-dependent coefficients

Author(s): Yomba, Emmanuel

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Title: Nonautonomous matter-wave solitons near the Feshbach resonance

Author(s): Serkin, V. N.; Hasegawa, Akira; Belyaeva, T. L.

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Author(s): Serkin, V. N.; Hasegawa, Akira; Belyaeva, T. L.

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Author(s): Petrovic, Nikola Z.; Belic, Milivoj; Zhong, Wei-Ping

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Author(s): Zhong, Wei-Ping; Belic, Milivoj R.; Lu, Yiqin; et al.

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Author(s): Yan, Zhenya; Hang, Chao

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Author(s): Chen, Shihua; Dudley, John M.

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Author(s): Petrovic, Nikola Z.; Belic, Milivoj; Zhong, Wei-Ping; et al.

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Title: Controllable dynamical behaviors for spatiotemporal bright solitons on continuous wave background

Author(s): Dai, Chao-Qing; Zhang, Jie-Fang

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Title: Dynamics of Nonautonomous Dark Solitons

Author(s): Liu Chong; Yang Zhan-Ying; Zhang Ming; et al.

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Title: Vortex solitons in the (2+1)-dimensional nonlinear Schrodinger equation with variable diffraction and nonlinearity coefficients

Author(s): Xu, Siliu; Petrovic, Nikola Z.; Belic, Milivoj R.

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Author(s): Yomba, Emmanuel

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Author(s): Dai, Chao-Qing; Wang, Yue-Yue; Zhou, Guo-Quan

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Author(s): Kumar, Hitender; Malik, Anand; Chand, Fakir

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Author(s): Dai, Chao-Qing; Ye, Jian-Feng; Chen, Xin-Fen

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Author(s): Zhao Bi; Dai Chao-Qing; Zhang Jie-Fang

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Author(s): Zhu Hai-Ping

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Author(s): Deng, Yangbao; Fu, Xiquan; Tan, Chao

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Author(s): Petrovic, Nikola; Zahreddine, Hussein

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Author(s): Wang, Yue-Yue; He, Ji-Da; Dai, Chao-Qing

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Author(s): Xia, Yuzhou; Zhong, Wei-Ping; Belic, Milivoj

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Title: Exact spatiotemporal wave and soliton solutions to the generalized (3+1)-dimensional nonlinear Schrodinger equation with linear potential

Author(s): Petrovic, Nikola Z.; Zahreddine, Hussein; Belic, Milivoj R.

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Title: Evolution of the exact spatiotemporal periodic wave and soliton solutions of the (3+1)-dimensional generalized nonlinear Schrodinger equation with distributed coefficients

Author(s): Deng, Yangbao; Wang, Canhua; Fu, Xiquan; et al.

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Author(s): Petrovic, Nikola Z.; Belic, Milivoj; Zhong, Wei-Ping

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Author(s): Zhong, W-P; Belic, M.; Huang, T.

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Author(s): Wang Liang-liang; Qian Cun; Dai Chao-qing; et al.

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Title: Three-dimensional Bessel light bullets in self-focusing Kerr media

Author(s): Zhong, Wei-Ping; Belic, Milivoj; Huang, Tingwen

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Author(s): Dai, Chaoqing; Wang, Yueyue; Zhang, Jiefang

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Author(s): Zhou Jia-Yi; Li Hua-Mei; He Jun-Rong

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Author(s): Wang Yue-Yue; Dai Chao-Qing

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Author(s): Li, Jing; Zong, Feng-De; Song, Chang-Sheng; et al.

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Author(s): Dai, Chao-Qing; Xu, Yun-Jie

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Author(s): Zhong, Wei-Ping; Belic, Milivoj R.; Mihalache, Dumitru; et al.

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Author(s): Al Bastami, Anas; Belic, Milivoj R.; Milovic, Daniela; et al.

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Author(s): Petrovic, Nikola Z.; Zahreddine, Hussein; Belic, Milivoj R.

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Author(s): Petrovic, Nikola Z.; Aleksic, Najdan B.; Al Bastami, Anas; et al.

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Author(s): Zhong, Wei-Ping; Belic, Milivoj; Huang, Tingwen

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Author(s): Al Bastami, Anas; Belic, Milivoj R.; Petrovic, Nikola Z.

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IF=2.255 (6/55)

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Title: Vortex solitons in the (2+1)-dimensional nonlinear Schrodinger equation with variable diffraction and nonlinearity coefficients

Author(s): Xu, Siliu; Petrovic, Nikola Z.; Belic, Milivoj R.

Source: PHYSICA SCRIPTA Volume: 87 Issue: 4 Article Number: 045401 DOI: 10.1088/0031-8949/87/04/045401 Published: APR 2013

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Title: Solitons and Similaritons of a Generalized Nonlinear Schrodinger Equation with Variable Coefficients in a Power-Law Medium

Author(s): Dai, Chao-Qing; Yu, Fang-Bo

Source: ZEITSCHRIFT FUR NATURFORSCHUNG SECTION A-A JOURNAL OF PHYSICAL SCIENCES Volume: 68 Issue: 3-4 Pages: 212-218 DOI: 10.5560/ZNA.2012-0091 Published: MAR-APR 2013

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Title: Optical soliton perturbation with time- and space-dependent dissipation (or gain) and nonlinear dispersion in Kerr and non-Kerr media

Author(s): Zhou, Qin; Yao, Duanzheng; Xu, Qianqian; et al.

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Author(s): Chen, Yi-Xiang; Lu, Xuan-Hui

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Author(s): Zhu Hai-Ping

Source: COMMUNICATIONS IN THEORETICAL PHYSICS Volume: 58 Issue: 1 Pages: 67-72 DOI: 10.1088/0253-6102/58/1/14 Published: JUL 2012

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Title: Controllable behaviours of rogue wave triplets in the nonautonomous nonlinear and dispersive system

Author(s): Dai, Chao-Qing; Tian, Qing; Zhu, Shi-Qun

Source: JOURNAL OF PHYSICS B-ATOMIC MOLECULAR AND OPTICAL PHYSICS Volume: 45 Issue: 8 Article Number: 085401 DOI: 10.1088/0953-4075/45/8/085401 Published: APR 28 2012

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Title: Multi-soliton solutions to the modified nonlinear Schrodinger equation with variable coefficients in inhomogeneous fibers

Author(s): Dai, Chao-Qing; Qin, Zhen-Yun; Zheng, Chun-Long

Source: PHYSICA SCRIPTA Volume: 85 Issue: 4 Article Number: 045007 DOI: 10.1088/0031-8949/85/04/045007 Published: APR 2012

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Title: Nonautonomous Solitons in the (3+1)-Dimensional Inhomogeneous Cubic-Quintic Nonlinear Medium

Author(s): Liu Cui-Yun; Dai Chao-Qing

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Title: NONAUTONOMOUS SPATIOTEMPORAL SOLITONS IN THE HARMONIC EXTERNAL POTENTIAL

Author(s): Dai, Chao-Qing; Xu, Yun-Jie

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Author(s): Dai, Chao-Qing; Zhou, Guo-Quan; Zhang, Jie-Fang

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Author(s): Mihalache, D.

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Title: EXACT SOLUTIONS TO THE SPIN-2 GROSS PITAEVSKII EQUATIONS

Author(s): Zhang, Zhi-Hai; Liu, Yong-Kai; Yang, Shi-Jie

Source: MODERN PHYSICS LETTERS B Volume: 27 Issue: 2 Article Number: 1350013 DOI: 10.1142/S0217984913500139 Published: JAN 20 2013

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Title: Exact traveling wave solutions to coupled generalized nonlinear Schrodinger equations

Author(s): Petrovic, Nikola; Zahreddine, Hussein

Source: PHYSICA SCRIPTA Volume: T149 Article Number: 014039 DOI: 10.1088/0031-8949/2012/T149/014039 Published: APR 2012

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Title: Dynamics of analytical three-dimensional solutions in Bose-Einstein condensates with time-dependent gain and potential

Author(s): Li, Jing; Zong, Feng-De; Song, Chang-Sheng; et al.

Source: PHYSICAL REVIEW E Volume: 85 Issue: 3 Article Number: 036607 DOI: 10.1103/PhysRevE.85.036607 Part: 2 Published: MAR 30 2012

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Title: Matter-wave solitons in heteronuclear atomic Bose-Einstein condensates with synchronously controllable interactions and potentials

Author(s): Ding, Cai-Ying; Zhang, Xiao-Fei; Zhao, Dun; et al.

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Title: Analytical chirped solutions to the (3+1)-dimensional Gross-Pitaevskii equation for various diffraction and potential functions

Author(s): Al Bastami, Anas; Belic, Milivoj R.; Milovic, Daniela; et al.

Source: PHYSICAL REVIEW E Volume: 84 Issue: 1 Article Number: 016606 DOI: 10.1103/PhysRevE.84.016606 Part: 2 Published: JUL 22 2011

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Author(s): Petrovic, Nikola Z.; Zahreddine, Hussein; Belic, Milivoj R.

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Author(s): Zhou Jia-Yi; Li Hua-Mei; He Jun-Rong

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Author(s): Mak, M. K.; Harko, T.

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Author(s): Li, Jing; Zong, Feng-De; Song, Chang-Sheng; et al.

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Author(s): Xiong, Hao; Si, Liu-Gang; Ding, Chunling; et al.

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Author(s): Dai, Chao-Qing; Qin, Zhen-Yun; Zheng, Chun-Long

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Author(s): Chen, Yi-Xiang; Lu, Xuan-Hui

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**SAOPŠTENJE SA MEĐUNARODNOG SKUPA ŠTAMPANO U CELINI M33**

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