

## Цитирания на публикации

на гл. ас. д-р Тихомир Вълчев

за участие в конкурс за *доцент* в област на висше образование

4. *Природни науки, математика и информатика,*

професионално направление 4.5. *Математика,*

научна специалност *Уравнения на математическата физика,*

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- **Цитирана статия:** Valchev, T., Yanovski, A., *Pseudo-Hermitian Reduction of a Generalized Heisenberg Ferromagnet Equation. II. Special Solutions*, Journal of Nonlinear Mathematical Physics **25**, No 3 (2018) 442-461, E-ISSN:1776-0852.

**Цитира се в:**

1. Jiang, N., Zhang, M., Guo, J., Yan, Z., *Fifth-order Generalized Heisenberg Supermagnetic Models*, Chaos, Sol. Frac., **133** (2020) 109644.

- **Цитирана статия:** Yanovski, A., Valchev, T., *Pseudo-Hermitian Reduction of a Generalized Heisenberg Ferromagnet Equation. I. Auxiliary System and Fundamental Properties*, Journal of Nonlinear Mathematical Physics **25**, No 2 (2018) 324-350, E-ISSN:1776-0852.

**Цитира се в:**

2. Jiang, N., Zhang, M., Guo, J., Yan, Z., *Fifth-order Generalized Heisenberg Supermagnetic Models*, Chaos, Sol. Frac., **133** (2020) 109644.
3. Gerdjikov, V. S., Ivanov, R. I., Stefanov, A. A., *Riemann-Hilbert Problem, Integrability and Reductions*, J. Geom. Mech., **11** (2) (2019) 167-185.
4. Yan, Z., Gao, B., Chen, M., Cui, J., *On the Higher Order Heisenberg Supermagnet Model in (2+1)-dimensions*, Chaos, Sol. Frac., **118** (2019) 94-105.

- **Цитирана статия:** Valchev, T., *Dressing Method and Quadratic Bundles Related to Symmetric Spaces. Vanishing Boundary Conditions*, Journal of Mathematical Physics, **57** (2016) 021508, E-ISSN 1089-7658.

**Цитира се в:**

5. Gerdjikov, V. S., Grahovski, G. G., Ivanov, R. I., *On Integrable Wave Interactions and Lax Pairs on Symmetric Spaces*, Wave Motion, **71** (2017) 53-70.

- **Цитирана статия:** Valchev, T., *On Mikhailov's Reduction Group*, Physics Letters A, **379** (2015) 1877–1880, ISSN:0375-9601.

**Цитира се в:**

6. Lou, S.Y., *Multi-place Physics and Multi-place Nonlocal Systems*, Com. Theor. Phys., **72** (5) (2020) 057001.

7. Cen, J., Correa, F., Fring, A., *Nonlocal Gauge Equivalence: Hirota Versus Extended Continuous Heisenberg and Landau-Lifschitz Equation*, J. Phys. A: Math. Theor., **53** (19) (2020) 195201.
8. Gürses, M., Pekcan, A., Zheltukhin, K., *Discrete Symmetries and Nonlocal Reductions*, Phys. Letts. A, **384** (3) (2020) 126065.
9. Cen, J., Correa, F., and Fring, A., *Integrable Nonlocal Hirota Equations*, J. Math. Phys., **60** (8) (2019), 081508.
10. Grahovski, G. G., Mustafa, J. I., Susanto, H., *Nonlocal Reductions of the Multicomponent Nonlinear Schrödinger Equation on Symmetric Spaces*, Theor. Math. Phys., **197** (1) (2018) 1430-1450.
11. Grahovski, G. G., Mohammed, A. J. and Susanto, H., *Nonlocal Reductions of the Ablowitz–Ladik Equation*, Theor. Math. Phys., **197** (1) (2018) 1412–1429.
12. Tao Xu, Min Li, Yehui Huang, Yang Chen, Chen Yu, *Nonsingular Localized Wave Solutions for the Nonlocal Davey–Stewartson I Equation with Zero Background*, Mod. Phys. Letts. B, **31** (35) (2017) 1750338.
13. Gerdjikov, V. S., Grahovski, G. G., Ivanov, R. I., *On Integrable Wave Interactions and Lax Pairs on Symmetric Spaces*, Wave Motion, **71** (2017) 53-70.
14. Gerdjikov V. S., *On Nonlocal Models of Kulish-Sklyanin Type and Generalized Fourier Transforms*, In: Advanced Computing in Industrial Mathematics. Studies in Computational Intelligence, **681**, Eds.: K. Georgiev, M. Todorov, I. Georgiev, Springer, Cham., 2017, 37-52.
15. Huang, X., Ling, L., *Soliton Solutions for the Nonlocal Nonlinear Schrödinger Equation*, Eur. Phys. J. Plus, **131** (5) (2016) 148.

- **Цитирана статия:** Valchev, T., *On the Quadratic Bundles Related to Hermitian Symmetric Spaces*, Journal of Geometry and Symmetry in Physics, **29** (2013) 83-110, E-ISSN:1314-5673.

**Цитира се в:**

16. Gerdjikov, V.S., Grahovski, G.G., Ivanov, R.I., *On Integrable Wave Interactions and Lax Pairs on Symmetric Spaces*, Wave Motion, **71** (2017) 53-70.

- **Цитиран доклад:** Valchev, T., *On Certain Reductions of Integrable Equations on Symmetric Spaces*, In: AIP Conference Proc., **1340**, Eds.: K. Sekigawa, V. Gerdjikov, Y. Matsushita and I. Mladenov, Melville, New-York, 2011, 154-164, E-ISSN: 1551-7616 (Proc. 10th Int. Workshop on Complex Structures, Integrability and Vector Fields, 11-17 September, 2010, Sofia).

**Цитира се в:**

17. Gerdjikov, V. S., Ivanov, R. I., Stefanov, A. A., *Riemann-Hilbert Problem, Integrability and Reductions*, J. Geom. Mech., **11** (2) (2019) 167-185.
18. Gerdjikov, V. S., Yanovski, A. B., *CBC Systems with Mikhailov Reductions by Coxeter Automorphism: I. Spectral Theory of the Recursion Operators*, Stud. Appl. Math., **134** (2) (2015) 145-180.

- **Цитирана статия:** Gerdjikov, V. S., Grahovski, G. G., Mikhailov, A. V., Valchev, T. I., *Rational Bundles and Recursion Operators for Integrable Equations on A.III Symmetric Spaces*, Theoretical and Mathematical Physics, **167** (3) (2011) 740-750, E-ISSN:1573-9333.

**Цитира се в:**

19. Yanovski A. B., *Spectral Theory of  $sl(3, \mathbb{C})$  Auxiliary Linear Problem with  $\mathbb{Z}_2 \times \mathbb{Z}_2 \times \mathbb{Z}_2$  Reduction of Mikhailov Type*, In: Advanced Computing in Industrial Mathematics, Studies in Computational Intelligence, **681**, Eds.: K. Georgiev, M. Todorov, I. Georgiev, Springer, Cham., 2017, 251-262.
20. Yanovski, A., *Some Aspects of the Spectral Theory for  $sl(3, \mathbb{C})$  System with  $\mathbb{Z}_2 \times \mathbb{Z}_2 \times \mathbb{Z}_2$  Reduction of Mikhailov Type with General Posititon Boundary Conditions*, In: Proc. 17th Int. Conf. on Geometry, Integrability and Quantization, Eds.: I. Mladenov, G. Meng and A. Yoshioka, Avangard Prima, Sofia, 2016, 379 – 391.
21. Yanovski, A. B., *Recursion Operators for Rational Bundle on  $Sl(3, \mathbb{C})$  with  $\mathbb{Z}_2 \times \mathbb{Z}_2 \times \mathbb{Z}_2$  Reduction of Mikhailov Type*, In: Proc. 16th Int. Conf. on Geometry, Integrability and Quantization, Eds.: I. Mladenov, A. Ludu and A. Yoshioka, Avangard Prima, Sofia, 2015, 301 – 311.

- **Цитирана статия:** Gerdjikov, V. S., Grahovski, G. G., Mikhailov, A. V., Valchev, T. I., *Polynomial Bundles and Generalised Fourier Transforms for Integrable Equations on A.III-type Symmetric Spaces*, Symmetry, Integrability and Geometry: Methods and Applications, **7**, 096 (2011) 48 pages, ISSN: 1815-0659.

**Цитира се в:**

22. Adamopoulou, P., Papamikos, G., *Drinfel'd-Sokolov Construction and Exact Solutions of Vector Modified KdV Hierarchy*, Nuc. Phys. B, **952** (2020) 114933.
23. Yanovski, A., *Hierarchies of Symplectic Structures for  $sl(3, C)$  Zakharov-Shabat Systems in Canonical and Pole Gauge with  $Z_2 \times Z_2$  Reduction of Mikhailov Type*, In: Proc. 20th Int. Conf. on Geometry, Integrability and Quantization, Eds.: I. Mladenov, V. Pulov and A. Yoshioka, Avangard Prima, Sofia, 2019, 297-310.
24. Yanovski, A. B., *Recursion Operators for Rational Bundle on  $Sl(3, C)$  with  $Z_2 \times Z_2 \times Z_2$  Reduction of Mikhailov Type*, In: Proc. 16th Int. Conf. on Geometry, Integrability and Quantization, Eds.: I. Mladenov, A. Ludu and A. Yoshioka, Avangard Prima, Sofia, 2015, 301 – 311.

- **Цитирана статия:** Gerdjikov, V. S., Mikhailov, A. V., Valchev, T. I., *Reductions of Integrable Equations on A.III-type Symmetric Spaces*, Journal of Physics A: Mathematical and Theoretical, **43** (2010) 434015, Online ISSN: 1751-8121.

**Цитира се в:**

25. Yanovski, A., *Hierarchies of Symplectic Structures for  $sl(3, C)$  Zakharov-Shabat Systems in Canonical and Pole Gauge with  $Z_2 \times Z_2$  Reduction of Mikhailov Type*, In: Proc. of 20th Int. Conf. on Geometry, Integrability and Quantization, Eds.: I. Mladenov, V. Pulov and A. Yoshioka, Avangard Prima, Sofia, 2019, 297-310.
26. Yanovski, A. B., *Spectral Theory of  $sl(3, C)$  Auxiliary Linear Problem with  $Z_2 \times Z_2 \times Z_2$  Reduction of Mikhailov Type*, In: Advanced Computing in Industrial Mathematics, Studies in Computational Intelligence, **681**, Eds.: K. Georgiev, M. Todorov, I. Georgiev, Springer, Cham., 2017, 251-262.
27. Yanovski, A., *Some Aspects of the Spectral Theory for  $sl(3, C)$  System with  $Z_2 \times Z_2 \times Z_2$  Reduction of Mikhailov Type with General Posititon Boundary Conditions*, In: Proc. 17th Int. Conf. on Geometry, Integrability and Quantization, Eds.: I. Mladenov, G. Meng and A. Yoshioka, Avangard Prima, Sofia, 2016, 379 – 391.
28. Yanovski, A. B., *Recursion Operators for Rational Bundle on  $Sl(3, C)$  with  $Z_2 \times Z_2 \times Z_2$  Reduction of Mikhailov Type*, In: Proc. 16th Int. Conf. on Geometry, Integrability and Quantization, Eds.: I. Mladenov, A. Ludu and A. Yoshioka, Sofia: Avangard Prima, 2015, 301 – 311.