

Анекс 2:

Цитати от 2024 година, въведени в системата SONIX след 31.01.2025 г.

вид	брой цитирания
Е 1.8.1: Цитати (първа част - на научни публикации) - в WoS или Scopus	117
Е 1.8.2: Цитати (първа част - на научни публикации) - в други научни издания	48
ОБЩО	

Е 1.8.1:

Цитати (първа част - на научни публикации) - в WoS или Scopus

- **Звено: ( ИМИ )** Институт по математика и информатика
- **Вид на цитиращото издание:** Публикация в Scopus/WoS
- **Година:** 2024 ÷ 2024
- **Условие:** Датата да бъде по-голяма от 01.02.2025
- **Тип записи:** Записи, които влизат в отчета на звеното

Брой цитирани публикации: 75	Брой цитиращи източници: 117	Коригиран брой: 117.000
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1990

1. **Kovachev, V., Popov, G.** Invariant tori for the billiard ball map. Transactions of the American Mathematical Society, 317, 1, American Mathematical Society, 1990, ISSN:1088-6850 (online), 0002-9947 (printed), 45-81. ISI IF:1.426 [Линк](#)

Цитирана се в:

1. Bolotin, S., Treschev, D., Another Billiard Problem, Russian Journal of Mathematical Physics, vol. 31(1), 50–59, **1.000** 2024, **@2024** [Линк](#)

2. **Tomanov, G.M.** The virtual solvability of the fundamental group of a generalized Lorentz space form. J. Diff. Geometry, 32, 2, Lehigh University, International Press, 1990, ISSN:0022-040X; 1945-743X/e, 539-547. ISI IF:1 [Линк](#)

Цитирана се в:

2. Lee, G.-S., Marquis, L., Discrete coxeter groups, Surveys in Geometry II, pp. 337–359, 2024, **@2024** [Линк](#) **1.000**

1995

3. **Dodunekov, S., Landgeev, I.** On near-MDS codes. Journal of Geometry, 54, Birkhauser, 1995, ISSN:0047-2468, DOI:10.1007/BF01222850, 30-43. SJR (Scopus):0.802 [Линк](#)

Цитирана се в:

3. Dinh, H.Q., Nguyen, B.T., Thi, H.L., AMDS constacyclic codes and quantum AMDS codes, Filomat, vol. 38(33), 11889–11912, **1.000** 2024, **@2024** [Линк](#)

4. Ditzian, Z., **Hristov V., Ivanov K.G.** Moduli of Smoothness and K-functionals in  $\mathcal{S}_{L,p,0}(\mathbb{T})$ . Constructive approximation, 11, 1, Springer, 1995, ISSN:0176-4276, DOI:10.1007/BF01294339, 67-83. SJR:1.952, ISI IF:1.987 [Линк](#)

Цитирана се в:

4. Vinogradov, O. L., Direct and inverse theorems of approximation theory in Banach function spaces, St. Petersburg Math. J. 35 **1.000** (2024), 907-928, Publisher: AMS, ISSN 1547-7371 (online) ISSN 1061-0022 (print), IF(2023): 0.7, Q2, **@2024** [Линк](#)

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## 1997

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5. **Apostolov, V.**, Gauduchon, P.. The Riemannian Goldberg–Sachs theorem. International Journal of Mathematics,, 08, 04, World Scientific, 1997, DOI:<https://doi.org/10.1142/S0129167X97000214>, 421–439. SJR (Scopus):0.67 [Линк](#)

Цитира се в:

5. Jelonek, W., Some QCH Kähler surfaces with zero scalar curvature, Annales Polonici Mathematici, vol. 133(3), 271–285, **1.000** 2024, [@2024](#) [Линк](#)

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## 1998

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6. Matveev, V., **Topalov, P.**. Trajectory equivalence and corresponding integrals. Regular and Chaotic Dynamics, 3, 2, Springer (Pleiades), 1998, ISSN:1560-3547, 30–45. SJR (Scopus):1, JCR-IF (Web of Science):1 [Линк](#)

Цитира се в:

6. Agafonov, S.I., Integrable geodesic flow in 3D and webs of maximal rank, Analysis and Mathematical Physics, vol/ 14(6), art. 128, **1.000** 2025, [@2024](#) [Линк](#)

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## 2000

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7. Barneva, R.P., **Brimkov, V.E.**, Nehlig, Ph.. Thin discrete triangular meshes. Theoretical Computer Science, 246, 1-2, Elsevier, 2000, 73-105. ISI IF:0.772 [Линк](#)

Цитира се в:

7. Zicheng Zhuang, Yiwei Weng, Yi Min Xie, Cong Wang, Xuyu Zhang, Shiwei Zhou, A node moving-based structural topology optimization method in the body-fitted mesh, Computer Methods in Applied Mechanics and Engineering, Volume 419, 2024, [@2024](#) [Линк](#) **1.000**

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## 2004

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8. **Bouyukliev, I.**, M. Grassl, Z. Varbanov. New bounds for  $n_4(k, d)$  and classification of some optimal codes over  $GF(4)$ .. Discrete Mathematics, 281, 1-3, Elsevier, 2004, ISSN:0012-365X, DOI:[doi:10.1016/j.disc.2003.11.003](https://doi.org/10.1016/j.disc.2003.11.003), 43-66. JCR-IF (Web of Science):0.374 [Линк](#)

Цитира се в:

8. Ren, Y., Li, R., Lv, L., Optimal quaternary  $[n, 4]$  Hermitian self-orthogonal codes, Proceedings of SPIE the International Society for Optical Engineering, vol 13394, art. 133940N, 2024, [@2024](#) [Линк](#) **1.000**

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## 2005

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9. **Rangelov T.**, Manolis G., Dineva P.. Elastodynamic fundamental solutions for certain families of 2d inhomogeneous anisotropic domains: Basic derivations. European Journal of Mechanics, A/Solids, 24, 5, 2005, 820-836. ISI IF:1.071 [Линк](#)

Цитира се в:

9. Altunkaynak, M., Solving elastodynamic problems of 2D quasicrystals in inhomogeneous media, Applications of Mathematics, vol. 69(3), 289–309, 2024, [@2024](#) [Линк](#) **1.000**

10. **Bouyukliev, I.**, Östergård P. R. J.. Classification of Self-Orthogonal Codes over  $F_3$  and  $F_4$ .. SIAM J. Discrete Math, 19, 2, 2005, 363-370. JCR-IF (Web of Science):0.885 [Линк](#)

Цитира се в:

10. Ren, Y., Li, R., Lv, L., Optimal quaternary  $[n, 4]$  Hermitian self-orthogonal codes, Proceedings of SPIE the International Society for Optical Engineering, vol 13394, art. 133940N, 2024, [@2024](#) [Линк](#) **1.000**

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## 2006

---

11. Manolis G., **Rangelov T.** Non-homogeneous elastic waves in soils: Notes on the vector decomposition technique. Soil Dynamics and Earthquake Engineering, 26, 2006, 952-959. JCR-IF (Web of Science):0.76 [Линк](#)

Цитира се в:

11. Elamin, M., Helal, K.A.A., Abdel-khalek, S., Ali, M., Albogami, T.M., Abdel-Salam, E.A.-B., Analyzing fractional order variable coefficients heat model, Thermal Science, vol. 28(6), 5143–5152, 2024, @2024 [Линк](#) 1.000
12. Singh, B.K., Kumar, A., Rai, S.N., Prakasha, D.G., Study of nonlinear time-fractional hyperbolic-like equations with variable coefficients via semi-analytical technique: Differential [Formula presented]-transform method, International Journal of Modern Physics B, vol. 38(1), art. 2450001, 2024, @2024 [Линк](#) 1.000

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## 2007

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12. **Brimkov, V.E.**, Coeurjolly, D., Klette, R.. Digital planarity—A review. Discrete Applied Mathematics, 155, Elsevier, 2007, 468-495. JCR-IF (Web of Science):0.956 [Линк](#)

Цитира се в:

13. Jui-Ting Lu, Tristan Roussillon, Jacques-Olivier Lachaud, David Coeurjolly Delaunay property and proximity results of the L- algorithm for digital plane probing. Theoretical Computer Science Volume 1011, 1, 2024, @2024 [Линк](#) 1.000
14. Saha, S., Biswas, A. A combinatorial technique for generation of digital plane using GCD. Annals of Mathematics and Artificial Intelligence 92, 139–167 (2024). <https://doi.org/10.1007/s10472-023-09889-4>, @2024 1.000

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## 2010

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13. Dineva P., Gross D., Muller R., **Rangelov T.** Time-harmonic crack problems in functionally graded piezoelectric solids via BIEM. Eng. Fract. Mech., 77, 7, 2010, 1101-1115. ISI IF:1.571 [Линк](#)

Цитира се в:

15. Bagheri, R., Influence of FGM coating on the dynamic fracture behavior of multiple cracks in a homogeneous half-plane under in-plane loading, Archive of Applied Mechanics, vol. 94(7), 1891–1910, 2024, @2024 [Линк](#) 1.000

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## 2011

---

14. Bourgain J., S. J. Dilworth, K. Ford, S. Konyagin, **D. Kutzarova**. Explicit constructions of RIP matrices and related problems. Duke Mathematical Journal, 159, 1, 2011, ISSN:0012-7094, DOI:10.1215/00127094-1384809, 145-185. JCR-IF (Web of Science):1.537 [Линк](#)

Цитира се в:

16. Satake, S. "On the Paley RIP and Paley Graph Extractor". 2024 IEEE Information Theory Workshop Itw 2024, pp. 549–554, 2024, @2024 [Линк](#) 1.000
15. **Brimkov, V. E.**, Leach, A., Mastroianni, M., Wu, J.. Guarding a set of line segments in the plane. Theoretical Computer Science, 412, Elsevier, 2011, 1313-1324. JCR-IF (Web of Science):0.698 [Линк](#)

Цитира се в:

17. Remi Raman, Shahin John J S, R. Subashini, Subhasree Methirumangalath Fixed Parameter Tractable Algorithms for Watchman Route Related Problems on Line Segment Arrangements International Journal of Computer Mathematics: Computer Systems Theory Volume 9, Issue 3, Taylor and Francis, 2024, @2024 [Линк](#) 1.000

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## 2014

---

16. **Ganchev, G., Milousheva, V.** General rotational surfaces in the four-dimensional Minkowski space. Turk. J. Math., 38, 2014, ISSN:1300-0098, DOI:10.3906/mat-1312-10, 883-895. ISI IF:0.311 [Линк](#)

Цитира се в:

18. F. Almaz, M. Alyamac Kulahci, The Clairaut's Theorem on Rotational Surfaces in Pseudo Euclidean 4-Space with Index 2, Commentationes Mathematicae Universitatis Carolinae, Comment.Math.Univ.Carolin. 65, 1 (2024) 63–77, @2024 [Линк](#) 1.000

---

## 2015

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17. **Kyurkchiev, N., S. Markov.** Sigmoid functions: Some Approximation and Modelling Aspects. Some Moduli in Programming Environment MATHEMATICA. LAP LAMBERT Academic Publishing, 2015, ISBN:978-3-659-76045-7, 110 [Линк](#)

Цитира се в:

19. I. Area, J.J. Nieto, Power series solution of the fractional logistic equation, Physica A: Statistical Mechanics and its Applications, **1.000** Volume 573, 2024, 125947, IF: 2.8., @2024 [Линк](#)
20. Liao, L., Aagaard, E.M. An open codebase for enhancing transparency in deep learning-based breast cancer diagnosis utilizing CBIS-DDSM data. Sci Rep 14, 27318 (2024), IF: 3.8., @2024 [Линк](#) **1.000**
21. Mingcheng Zuo; Fujian Xu; Dunwei Gong, A Deep Embedded Clustering with Selective Data Augmentation, 2024 China **1.000** Automation Congress (CAC), 1-3 Nov. 2024, Индексирана в SCOPUS., @2024 [Линк](#)

18. **Drensky, V..** The Bulgarian solitaire and the mathematics around it. Math. and Education in Math., 2015, ISSN:1313-3330, 79-91 [Линк](#)

Цитира се в:

22. Hopkins, Brian, Henrik Eriksson's Bulgarian solitaire variant, Integers 24A, Paper A9, 14 p. (2024), @2024 [Линк](#) **1.000**

---

## 2016

---

19. **Ivanov, S., Zlatanovic, M..** Connections on non-symmetric (generalized) Riemannian manifold and gravity. Classical and Quantum Gravity, 33, 7, 2016, ISSN:0264-9381, DOI:http://dx.doi.org/10.1088/0264-9381/33/7/075016, 075016-23pp. JCR-IF (Web of Science):3.168 [Линк](#)

Цитира се в:

23. Marko Stefanovic, Nenad Vesic, Dusan Simjanovic and Branislav Randjelovic, Special Geometric Objects in Generalized Riemannian Spaces, Axioms 2024, 13(7), 463; https://doi.org/10.3390/axioms13070463., @2024 **1.000**
24. Vladislava M. Milenkovic, Mica S. Stankovic, Quasi-Canonical Biholomorphically Projective Mappings of Generalized Riemannian Space in the Eisenhart Sense, 2024, Axioms 13(8):528, DOI: 10.3390/axioms13080528, @2024 **1.000**

20. **Iliev, A.I..** Emotion Recognition in Speech using Inter-Sentence Time-Domain Statistics. 5, 3, International Journal of Innovative Research in Science, Engineering and Technology, 2016, ISSN:2319-8753, DOI:10.15680/IJIRSET.2016.0503100, 3245-3254 [Линк](#)

Цитира се в:

25. Boutchaktchiev, V. (2024, July). Application of Weighted t-Tests for Loss-Given-Default Forecasts Validation. In International Conference on New Trends in the Applications of Differential Equations in Sciences (pp. 395-403). Cham: Springer Nature Switzerland., @2024 [Линк](#) **1.000**

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## 2017

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21. Velasco, M.G., del Puerto García, I.M., **Yanev, G.P..** Controlled Branching Processes. Първо, ISTE and Wiley (co-publishers), 2017, ISBN:978-1-78630-253-3, DOI:10.1002/9781119452973, 232 [Линк](#)

Цитира се в:

26. Bruss, F.T. "Interactions between Human Populations and Related Problems of Optimal Transport". In: Barigozzi, M., Hörmann, S., Paindaveine, D. (eds) Recent Advances in Econometrics and Statistics. Springer, Cham, 2024, @2024 [Линк](#) **1.000**

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## 2018

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22. **Danchev, P. V..** Corners of invo-clean unital rings. Pure Mathematical Sciences, 7, 1, 2018, ISSN:1314-7560, DOI:10.12988/pms.2018.877, 27-31 [Линк](#)

Цитира се в:

27. Rashedi, F. "Weakly  $g(x)$ -quasi invo-clean rings", Trans. A. Razmadze Math. Institute 178 (1) (2024), 111-114., @2024 **1.000**

23. Henriksen, D., Henderson, M., Creely, E., Ceretkova, S., Černochová, M., **Sendova, E.**, Sointu, E., Tienken, C. H.. Creativity and Technology in Education: An International Perspective. Technology, Knowledge and Learning, 23, Springer, 2018, ISSN:22111662, DOI:10.1007/s10758-018-9380-1, 409-424. SJR (Scopus):0.573 [Линк](#)

Цитира се в:

28. Aldiabat, K., Gharaibeh, M.K., Alqudah, N.F., Assessment of Student Satisfaction with E-learning in Jordan Using TAM and UTAUT as a Mediator for Synchronous and Asynchronous Learning, International Journal on Informatics Visualization, vol. 8(3), 1361–1369, 2024, @2024 [Линк](#) **1.000**

29. Baş, İ., Alp, D., Dolu, C., Alsan, M., Koçak, A. E., Atılğan, I., Yalçın, S., Enhancing Prototyping Skills of K-12 Students Through Lemon: A Bio-Inspired Robotics Kit, Communications in Computer and Information Science, vol. 1957 CCIS, 264–270, 2024, @2024 [Линк](#) 1.000
30. Câmara, S., Araújo, A.A., Buarque, B., Soares, P., Queiroz, L., Souza, J., Will the Innovation Drivers be Shaped by the Metaverses? A Theoretical Essay Based on a Systematic Mapping Study, International Journal of Innovation and Technology Management, vol. 21(2), 2430002, 2024, @2024 [Линк](#) 1.000
31. Che, X., Ip, B., An assessment framework for creative production in computing and engineering disciplines, Computers and Education Open, vol. 7, art. 100220, 2024, @2024 [Линк](#) 1.000
32. Kaur, T., Kersting, M., Blair, D., Treagust, D., Santoso, J., Lonshakova, A., Boubilil, S., Zadnik, M., Ju, L., Wood, D., Horne, E., McGoran, D., Developing and implementing an Einsteinian science curriculum from years 3-10: A. Concepts, rationale and learning outcomes, Physics Education, vol. 59(6), art. 065008, 2024, @2024 [Линк](#) 1.000
33. Lestari, D.P., Anwar, L., Sa'dijah, C., Rahim, S.S.A., Hafiizh, M., Cultural Integration on Geometry Lesson: The Impact of Traditional Game-Based Learning on Students' Creative Thinking, Journal of Ecohumanism, vol. 3(8), 12285–12299, 2024, @2024 [Линк](#) 1.000
34. Li, S.-P., Huang, C.-C., The effects of positive psychological characteristics on individual creativity in technological universities in Taiwan, Asia Pacific Journal of Education, vol. 44(4), 961–976, 2024, @2024 [Линк](#) 1.000
35. Lorenzo, A.D., Rabaglietti, E., Creativity among Adolescents and Emerging Adults in the Post-pandemic Era: A Review of the Role of the School and University System, Creativity, vol. 11(2), 20–43, 2024, @2024 [Линк](#) 1.000
36. Novak, E., Kuo, C.-L., Tassell, J.L., Morris, G., Effects of a Creativity-Enhancement Intervention on Preservice Elementary Teachers' Creativity in Computing Education, TechTrends, vol. 68(6), 1095–1106, 2024, @2024 [Линк](#) 1.000
37. Ouyang, Y., Park, A., Suh, K.-H., Psychological Predictors of Attitude toward Integrated Arts Education among Chinese College Students Majoring in the Arts, Behavioral Sciences, vol. 14(10), art. 869, 2024, @2024 [Линк](#) 1.000
38. Parker, L., Outdoor Educators' Perceptions of the Nature and Scope of Outdoor Education in Victoria, Australia from 1999–2013, Journal of Outdoor and Environmental Education, vol. 27(3), 369–390, 114038, 2024, @2024 [Линк](#) 1.000
39. Sabet, N., Educational Social Enterprise and the Wicked Problem of Creativity and Literacy, Education and Urban Society, vol. 56(1), 66–92, 2024, @2024 [Линк](#) 1.000
40. Shahat, H.A., Hamad Al-Naim, N.S., Enhancing artistic expression through installation art: A training program based on the experimental dialectical approach, International Journal of Advanced and Applied Sciences, vol. 11(11), 83–91, 2024, @2024 [Линк](#) 1.000
41. Soares, M.N., Pontes, A., Lima, M., Moreira, S., Machado, F., Ferreira, J., Azevedo, H., Coelho, V., Creative Education and Psychology: Connecting Minds and Technologies for Educational Success, Palgrave Studies in Creativity and Culture, Part F3957, 15–43, 2024, @2024 [Линк](#) 1.000
42. Sujatmika, S., Masykuri, M., Prayitno, B.A., Sutarno, S., Fostering critical thinking in science education: Exploring effective pedagogical models, International Journal of Advanced and Applied Sciences, vol. 11(7), 149–159, 2024, @2024 [Линк](#) 1.000
43. Yao, H., Fan, Y., Duan, S., The Effect of Mindfulness on the Promotion of Graduate Students' Scientific Research Creativity: The Chain Mediating Role of Flow Experience and Creative Self-Efficacy, Journal of Intelligence, vol. 12(3), art. 24, 2024, @2024 [Линк](#) 1.000

24. D. Phusanga, J. Koppitz. The Monoid Of Hypersubstitutions For Algebraic Systems. Journal Announcements of Union of Scientists.Sliven, 33, 1, Union of scientists in Bulgaria - branch Sliven, 2018, ISSN:1311 2864, 120-127 [Линк](#)

Цитира се в:

44. P. Kunama, S. Leeratanavalee, Idempotence and regularity of generalized relational hypersubstitutions for algebraic systems, 1.000  
Discusiones Mathematicae - General Algebra and Applications 44(2) (2024) 369-382, @2024 [Линк](#)

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## 2019

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25. Tagarev, T., Polimirova, D.. Main Considerations in Elaborating Organizational Information Security Policies. 20th International Conference on Computer Systems and Technologies, CompSysTech 2019; University of Ruse; Bulgaria; 21 June 2019, Published in ACM International Conference Proceeding Series, 2019, DOI:10.1145/3345252.3345302, 68-73. SJR (Scopus):0.169 [Линк](#)

Цитира се в:

45. Kaur, Gagandeep, and Prashant Chauhan. "Artificial Intelligence in Industry 4.0: Legal Analysis of Data Privacy Issues with Industry Stakeholders." Industry 4.0 and People Analytics. Apple Academic Press, 2024. 187-203., @2024 [Линк](#) 1.000

26. Zhevski, T., Kounchev, O., Savov, M.. Two frameworks for pricing defaultable derivatives. Chaos, Solitons and Fractals, 123, June 2019, Elsevier, 2019, ISSN:0960-0779, DOI:https://doi.org/10.1016/j.chaos.2019.04.025, 309-319. JCR-IF (Web of Science):3.064 [Линк](#)

Цитира се в:

46. Stępnia, P., Palmowski, Z. "Pricing time-capped American options using Least Squares Monte Carlo method". Journal of Computational Finance 28(3):43-64, 2024, @2024 [Линк](#) 1.000

27. Mihaylov, I., **Nisheva, M.**, Vassilev, D.. Application of Machine Learning Models for Survival Prognosis in Breast Cancer Studies. Information, 10, 3, MDPI, 2019, ISSN:2078-2489, DOI:doi:10.3390/info10030093, SJR (Scopus):0.222 [Линк](#)  
Цитира се в:  
 47. Biswas, N. M. Mahdi, T. Islam, S. Shimul, F. Pavel, D. Sarkar. Breast Cancer Diagnosis: A Multi-Model Machine Learning Approach. **1.000**  
 In: Proceedings of the 2024 IEEE International Conference on Biomedical Engineering, Computer and Information Technology for Health (BECITHCON 2024), ISBN 979-833153435-6, pp. 258-263. DOI: 10.1109/BECITHCON64160.2024.10962646, @2024 [Линк](#)

28. **Ivanov, S.**, Ugarte, L.. On the Strominger system and holomorphic deformations. The Journal of Geometric Analysis, 29, 2019, 917-935. JCR-IF (Web of Science):0.924 [Линк](#)

Цитира се в:

48. Sebastien Picard, Pei-Lin Wu, Balanced and Aeppli Parameters for the Heterotic Moduli, INTERNATIONAL JOURNAL OF **1.000**  
 MATHEMATICS, (2024), DOI:10.1142/S0129167X24420023., @2024

## 2020

29. Rousseva, A., **Landjev, I.** The geometric approach to the existence of some Griesmer codes. Designs, Codes and Cryptography, 88, Springer, 2020, ISSN:0925-1022, DOI:DOI 10.1007/s10623-020-00777-0, 1925-1940. SJR (Scopus):1.174, JCR-IF (Web of Science):1.524 [Линк](#)

Цитира се в:

49. Ren, Y., Li, R., Lv, L. , Optimal quaternary  $[n, 4]$  Hermitian self-orthogonal codes, Proceedings of SPIE the International Society **1.000**  
 for Optical Engineering, vol. 13394, art. 133940N, 2024, @2024 [Линк](#)

30. **Zaevski, Ts.** Discounted perpetual game call options. Chaos, Solitons & Fractals, 131, Elsevier, 2020, ISSN:0960-0779, DOI:https://doi.org/10.1016/j.chaos.2019.109503, 109503. SJR (Scopus):1.043, JCR-IF (Web of Science):5.944 [Линк](#)

Цитира се в:

50. Stępnia, P., Palmowski, Z. "Pricing time-capped American options using Least Squares Monte Carlo method". Journal of **1.000**  
 Computational Finance 28(3):43-64, 2024, @2024 [Линк](#)

31. **Zaevski Ts.** Discounted perpetual game put options. Chaos, Solitons & Fractals, 137, Elsevier, 2020, ISSN:0960-0779, DOI:https://doi.org/10.1016/j.chaos.2020.109858, 109858. SJR (Scopus):1.043, JCR-IF (Web of Science):5.944 [Линк](#)

Цитира се в:

51. Stępnia, P., Palmowski, Z. "Pricing time-capped American options using Least Squares Monte Carlo method". Journal of **1.000**  
 Computational Finance 28(3):43-64, 2024, @2024 [Линк](#)

32. Stoyanov L., M. Zhekova, **Al. Stefanov, I.** Stefanov, G. G. Paulus, Al. Dreischuh. Zeroth- and first-order long range non-diffracting Gauss–Bessel beams generated by annihilating multiple-charged optical vortices. Scientific Reports, 10, Nature, 2020, ISSN:2045-2322, DOI:https://doi.org/10.1038/s41598-020-78613-7, 21981. SJR (Scopus):1.341, JCR-IF (Web of Science):3.998 [Линк](#)

Цитира се в:

52. Butt, M.A.; Khonina, S.N. Non-Diffractive Beams for State-of-the-Art Applications. Micromachines 2024, 15, 771. **1.000**  
 https://doi.org/10.3390/mi15060771, @2024 [Линк](#)

53. N. Mallick, Orbital angular momentum carrying mid-infrared Bessel beam generation at room temperature, J. Opt. Soc. Am. B 41, **1.000**  
 2773-2779 (2024)., @2024 [Линк](#)

54. S.A. Pourhashemi, P. Parvin, J. Khalilzadeh, B. Dibaei, R. Khoei, Design and fabrication of a Nd:YAG unstable multi-pass **1.000**  
 telescopic amplifier, Optics & Laser Technology, Volume 168, 2024, 109851, ISSN 0030-3992, @2024 [Линк](#)

33. **Келеведжиев, Е. С., Брънзов, Т.**, Петров, П., Шаламанов, М.. Българска платформа за състезателна информатика (Bulgarian platform for competitions in informatics). Математика и математическо образование, Доклади на Четиридесет и деветата пролетна конференция на Съюза на математиците в България, 49, 2020, ISSN:1313-3330, 123-130 [Линк](#)

Цитира се в:

55. Manev, Krassimir "Preparing of Youngest Students for Participation in Programming Contests". Olympiads in Informatics, Volume **1.000**  
 18, Pages 63 - 80, 2024, @2024 [Линк](#)

34. **Ivanov, Stefan**, Zlatanovic. M., Non-symmetric Riemannian gravity and Sasaki-Einstein 5-manifolds. Classical Quantum Gravity, 37, 2, 2020, DOI:http://dx.doi.org/10.1088/1361-6382/ab5cc3, JCR-IF (Web of Science):3.071 [Линк](#)

Цитира се в:

---

## 2021

---

35. Jiang J., H. Zhang, C. Dai, Q. Zhan, H. Feng, Z. Ji, I. **Ganchev**. Enhancements of Attention-Based Bidirectional LSTM for Hybrid Automatic Text Summarization. IEEE Access, 9, IEEE, 2021, ISSN:2169-3536, DOI:10.1109/ACCESS.2021.3110143, 123660-123671. SJR (Scopus):0.587, JCR-IF (Web of Science):3.367 [Линк](#)

Цитира се:

57. Gaikwad M., Shinde G.R., Mahalle P., Sable N., Kharate N. Automatic Text Summarization: An Extensive Survey (2024) Proc. of 15th International Conference on Advances in Computing, Control, and Telecommunication Technologies, ACT 2024, 2, pp. 4893-4900. ISBN: 979-833130057-9., @2024 [Линк](#) 1.000

58. K. Liu, Y. Li, Y. Qi, N. Qi and M. Zhai, "Text Information Mining in Cyberspace: An Information Extraction Method Based on T5 and KeyBERT, " 2024 IEEE 9th International Conference on Data Science in Cyberspace (DSC), Jinan, China, 2024, pp. 621-628. eISBN: 979-8-3503-9136-7. DOI: 10.1109/DSC63484.2024.00092., @2024 [Линк](#) 1.000

59. Saroj C., Singh S., Budhiraja A., Chopra S. Resume Summarization—An Application of Generative AI (2024) Lecture Notes in Networks and Systems, 1023 LNNS, pp. 597 - 613. ISSN: 2367-3370. ISBN: 978-981973603-4. DOI: 10.1007/978-981-97-3604-1\_40., @2024 [Линк](#) 1.000

36. **Dimitrov, M, Baicheva, T**, Nikolov, N. Hybrid Constructions of Binary Sequences With Low Autocorrelation Sideobes. IEEE Access, 9, IEEE, 2021, ISSN:2169-3536, DOI:10.1109/ACCESS.2021.3104175, 112400-112410. SJR (Scopus):0.587, JCR-IF (Web of Science):3.367 [Линк](#)

Цитира се:

60. Bošković, Borko, and Janez Brest. "Two-phase optimization of binary sequences with low peak sidelobe level value." Expert Systems with Applications 251 (2024): 124032., @2024 [Линк](#) 1.000

37. **Sabev, N.**. Theoretically Conceptual Model for Accessibility: Subject-Object Model. Science Series "Innovative STEM Education", 3, IMI-BAS, 2021, ISSN:2683-1333, 49-56 [Линк](#)

Цитира се:

61. Bogdanova, G. Todorov, T. Noev, N. Tomov Z. Chehlarova, N. "Model of Computer Game at Education of Visually Impaired People, " 2024 21st International Conference on Information Technology Based Higher Education and Training (ITHET), Paris, France, 2024, pp. 1-7, doi: 10.1109/ITHET61869.2024.10837626. 2024, @2024 [Линк](#) 1.000

38. **Iliev, A.I.**, Dewli M., Kalkan M., Prakash P.K., Turkar R.. Acoustic Event Detection and Sound Separation for security systems and IoT devices. CompSysTech '21: International Conference on Computer Systems and Technologies, ACM International Conference Proceeding Series, 2021, ISSN:663-ISSN, DOI:<https://doi.org/10.1145/3472410.3472441>, 34-39. SJR (Scopus):0.182 [Линк](#)

Цитира се:

62. Grama, S., Grama, L., & Rusu, C. (2024, February). Using of a Robotic Platform to Detect Acoustic Events for Indoor Environments. In International Conference on Computer Aided Systems Theory (pp. 27-39). Cham: Springer Nature Switzerland., @2024 [Линк](#) 1.000

63. Momcheva, G. (2024, August). Vibrotactile Feedback and Sonification Approaches in Texture Analysis of Domain-Specific Images. In The International Conference on Recent Innovations in Computing (pp. 419-434). Singapore: Springer Nature Singapore., @2024 [Линк](#) 1.000

39. **Danchev, P. V.**. Quasi invo-clean rings. Bulletin of the Transilvania University of Braşov – Series III, Mathematics & Computer Science, 1(63), 1, 2021, ISSN:2065-2151, DOI:10.31926/but.mif.2021.1.63.1.6, 71-80. SJR (Scopus):0.203 [Линк](#)

Цитира се:

64. Rashedi, F. "Weakly  $g(x)$ -quasi invo-clean rings", Trans. A. Razmadze Math. Institute 178 (1) (2024), 111-114., @2024 1.000

40. Dineva, P., Stoyanov, Y., **Rangelov, T.**. Dynamic fracture behavior of nanocracked graded magnetoelectroelastic solid. Archive of Applied Mechanics, 91, Springer Nature, 2021, ISSN:1432-0681, DOI:10.1007/s00419-020-01835-8, 1495-1508. SJR (Scopus):0.54, JCR-IF (Web of Science):1.645 [Линк](#)

Цитира се:

65. Jiang, L., Liu, G., Gao, Y., Wang, G., Guo, H. An Antiplane Problem of Magnetoelectroelastic Materials With Nanoscale Lip-Shaped Orifice With 2 Asymmetric Cracks, Applied Mathematics and Mechanics, vol. 45(10), 1332–1344, 2024, @2024 [Линк](#) 1.000

---

## 2022

---

41. Yang, X., J. Zhao, L. Zhao, H. Zhang, L. Li, Z. Ji, I. **Ganchev**. Detection of River Floating Garbage Based on Improved YOLOv5. Mathematics, 10, 22, MDPI, 2022, ISSN:2227-7390, DOI:10.3390/math10224366, 1-20. SJR (Scopus):0.446, JCR-IF (Web of Science):2.4 [Линк](#)  
Цитира се в:
  66. D.. Eduardo Penado-Pineda and A. María Reyes-Duke, "Roboflow-Based Training of a Convolutional Neural Network for Trash Detection in Rivers and Surrounding Areas, " Proc. of 2024 IEEE Central America and Panama Student Conference (CONESCAPAN), Panama, Panama, 2024, pp. 1-6. eISBN: 979-8-3503-7759-0. DOI: 10.1109/CONESCAPAN62181.2024.10891108., @2024 [Линк](#)
  67. R. Wei, H. Yang, B. Zhang, X. Wang and Z. Liu, "YOLOv8-ADS: A Lightweight Algorithm for Target Detection in Small-Area Unmanned Surface Vehicle Operations, " Proc. of 2024 IEEE 4th International Conference on Data Science and Computer Application (ICDSCA), Dalian, China, 2024, pp. 655-664. eISBN: 979-8-3503-6823-9. USB ISBN: 979-8-3503-6822-2. DOI: 10.1109/ICDSCA63855.2024.10860029., @2024 [Линк](#)
42. **Zaevski Ts.** Pricing discounted American capped options. Chaos, Solitons & Fractals, 156, Elsevier, 2022, ISSN:0960-0779, DOI:10.1016/j.chaos.2022.111833, 111833. SJR (Scopus):1.393, JCR-IF (Web of Science):7.79 [Линк](#)  
Цитира се в:
  68. Stępiński, P., Palmowski, Z. "Pricing time-capped American options using Least Squares Monte Carlo method". Journal of Computational Finance 28(3):43-64, 2024, @2024 [Линк](#)
43. Kuan, H.J., Suvorov, A, Doneva, D.D., **Yazadjiev, S.S.** Gravitational Waves from Accretion-Induced Descalarization in Massive Scalar-Tensor Theory. Physical Review Letters, 129, 12, American Physical Society, 2022, ISSN:0031-9007, DOI:10.1103/PhysRevLett.129.121104, 121104. JCR-IF (Web of Science):9.185 [Линк](#)  
Цитира се в:
  69. Ottoni, T., G. Coelho, J., C. R. de Lima, R., P. Pereira, J., A. Rueda, J., X-ray pulsed light curves of highly compact neutron stars as probes of scalar–tensor theories of gravity, European Physical Journal C, vol. 84(12), art. 1337, 2024, @2024 [Линк](#)
44. Dimitrova, M., **Sabev, N.**, Ozaeta, L., Nikolov, V., Krastev, A.. Aspects of the Intrinsic Motivation as Accessibility Factors in the Inclusive "STEAM" Education.. Science Series "Innovative STEM Education", 4, IMI-BAS, 2022, ISSN:2683-1333, 24-31 [Линк](#)  
Цитира се в:
  70. Bogdanova, G. Todorov, T. Noev, N. Tomov Z. Chehlarova, N. "Model of Computer Game at Education of Visually Impaired People, " 2024 21st International Conference on Information Technology Based Higher Education and Training (ITHET), Paris, France, 2024, pp. 1-7, doi: 10.1109/ITHET61869.2024.10837626., @2024 [Линк](#)
45. Zhao J., S. Hao, C. Dai, H. Zhang, L. Zhao, Z. Ji, I. **Ganchev**. Improved Vision-Based Vehicle Detection and Classification by Optimized YOLOv4. IEEE Access, 10, IEEE, 2022, ISSN:2169-3536, DOI:10.1109/ACCESS.2022.3143365, 8590-8603. SJR (Scopus):0.587, JCR-IF (Web of Science):3.367 [Линк](#)  
Цитира се в:
  71. Deng Y., Deng D. Research on Vehicle Detection Algorithm Based on Embedded ARM (2024) Applied Mathematics and Nonlinear Sciences, 9 (1), art. no. 20243133. eISSN: 2444-8656. DOI: 10.2478/amns-2024-3133., @2024 [Линк](#)
  72. Nayak S., Palo P., Gupta K., Uttarkabat S. Graph-Based Two-Three Wheeler Classification in Unconstrained Indian Roads (2024) IEEE Conference on Intelligent Transportation Systems, Proceedings, ITSC, pp. 3794 - 3799. ISSN: 2153-0009. ISBN: 979-833150592-9. DOI: 10.1109/ITSC58415.2024.10919487., @2024 [Линк](#)
  73. Zhang J., Li B., Qin Y., Yan D., Zhang Y., Liu Y. Application of the YOLOv8x Model in Visual Stem Detection During Cigarette Production (2024) Frontiers in Artificial Intelligence and Applications, 398, pp. 416 - 430. ISSN: 0922-6389 / 1879-8314. DOI: 10.3233/FAIA241444., @2024 [Линк](#)
46. Yang, X., J. Zhao, H. Zhang, C. Dai, L. Zhao, Z. Ji, I. **Ganchev**. Remote Sensing Image Detection Based on YOLOv4 Improvements. IEEE Access, 10, IEEE, 2022, ISSN:2169-3536, DOI:10.1109/ACCESS.2022.3204053, 95527-95538. SJR (Scopus):0.927, JCR-IF (Web of Science):3.367 [Линк](#)  
Цитира се в:
  74. Zhang Q., Liu X., Peng T., Yang X., Tang M., Zou X., Liu M., Wu L., Zhang T. U-SeqNet: learning spatiotemporal mapping relationships for multimodal multitemporal cloud removal (2024) GIScience and Remote Sensing, 61 (1), art. no. 2330185. ISSN: 1548-1603. eISSN: 1943-7226. DOI: 10.1080/15481603.2024.2330185., @2024 [Линк](#)

---

## 2023

---

47. **Markov, M., Borissov, Y.** Computing the Weight Distribution of the Binary Reed-Muller Code R(4,9). 2023, DOI:10.36227/techrxiv.170326784.48551760/v1 [Линк](#)

Цумура се е:

75. Jain, S., Rameshwar, V.A. and Kashyap, N.. "Estimating the weight enumerators of Reed-Muller codes via sampling". In 2024 IEEE International Symposium on Information Theory (ISIT) (pp. 280-285). IEEE., @2024 1.000

48. Penchev, P., Vitliemov, P., **Georgiev, I.R.**. Optimization model for production scheduling taking into account preventive maintenance in an uncertainty-based production system. Heliyon, 9, 7, Elsevier, 2023, ISSN:2405-8440, DOI:10.1016/j.heliyon.2023.e17485, E17485. SJR (Scopus):0.61, JCR-IF (Web of Science):3.776 [Линк](#)

Цумура се е:

76. de Oliveira, C.M., Kleina, M. & da Silva, A.C.L. Truck Scheduling: A Case Study in the Automotive Sector. Int. J. Appl. Comput. Math 10, 71 (2024)., @2024 [Линк](#) 1.000

77. Inturi, V.; Ghosh, B.; Rajasekharan, S.G.; Pakrashi, V. A Review of Digital Twinning for Rotating Machinery. Sensors 2024, 24, 5002., @2024 [Линк](#) 1.000

49. An, Y., Wang, S., Zhao, L., Ji, Z., **Ganchev, I.**. A Learning-Based End-to-End Wireless Communication System Utilizing a Deep Neural Network Channel Module. IEEE Access, 11, IEEE, 2023, ISSN:2169-3536, DOI:10.1109/ACCESS.2023.3245330, 17441-17453. SJR (Scopus):0.926, JCR-IF (Web of Science):3.9 [Линк](#)

Цумура се е:

78. N. F. Abdullah, A. Z. Norabid, H. A. H. Alobaidy, A. Abu-Samah, N. H. Najiah Maizan and R. Nordin, "Indigenous Community Connectivity: Enhancing LoRaWAN Performance Through Machine Learning in Palm Oil Plantations, " Proc. of 2024 15th International Conference on Information and Communication Technology Convergence (ICTC), Jeju Island, Korea, Republic of, 2024, pp. 597-601. DOI: 10.1109/ICTC62082.2024.10827271., @2024 [Линк](#) 1.000

50. Bai, W., Zhao, J., Dai, C., Zhang, H., Zhao, L., Ji, Z., **Ganchev, I.**. Two Novel Models for Traffic Sign Detection Based on YOLOv5s. Axioms, 12, 2, MDPI, 2023, ISSN:2075-1680, DOI:10.3390/axioms12020160, 1-20. SJR (Scopus):0.388, JCR-IF (Web of Science):2 [Линк](#)

Цумура се е:

79. D. G. Bao et al., "A Weather-Adaptive Traffic Light Electrical Detection System in Vietnam: YOLOv5 & PReNet, " 2024 International Conference on Control, Robotics and Informatics (ICCRI), Danang, Vietnam, 2024, pp. 1-9. eISBN: 979-8-3503-8030-9. DOI: 10.1109/ICCRI64298.2024.00007., @2024 [Линк](#) 1.000

80. Kahya, E. (2024). Use of YOLOv5 Trained Model for Robotic Courgette Harvesting and Efficiency Analysis. Yuzuncu Yil University Journal of Agricultural Sciences, 34(4), 669-689. ISSN: 1308-7576 / 1308-7584. DOI: 10.29133/yyutbd.1517109., @2024 [Линк](#) 1.000

81. M. M. R. Shuvo, A. Dey and M. O. Rahman, "A YOLO-Based Framework for Road Sign Detection and Recognition in the Context of Bangladesh, " 2024 IEEE International Conference on Computing, Applications and Systems (COMPAS), Cox's Bazar, Bangladesh, 2024, pp. 1-6. ISBN: 979-833152976-5. DOI: 10.1109/COMPAS60761.2024.10796393., @2024 [Линк](#) 1.000

82. Yu Z., Liu T., Chen Z., Zhang Z., Tian C. Identifying assembly features within threaded components using intelligent detection with YOLOv5s (2024) International Journal of Nanomanufacturing, 19 (1), pp. 23 - 38. ISSN: 1746-9392 / 1746-9406. DOI: 10.1504/IJNM.2024.144315., @2024 [Линк](#) 1.000

51. Zhan, N., Zhan, B., Wang, S., **Guelev, D.**, Jin, X.. A Generalized Hybrid Hoare Logic. arxiv, 2023 [Линк](#)

Цумура се е:

83. Huerta y Munive, J.-J., Foster, S., Gleirscher, M., Struth, G., Laursen, G.P. & Hickman, Th. "IsaVODEs: Interactive verification of cyber-physical systems at scale", Journal of Automated Reasoning, Volume 68, article number 21, (2024), @2024 [Линк](#) 1.000

52. Kulzhanova A., Bakibayev T., Kerimbayev N., **Kaloyanova K.**, Rakhimova D.. A Compact and Secure Access Control Solution Based on a Deterministic Finite Automaton. 2023 International Conference Automatics and Informatics (ICAI) DOI: 10.1109/ICAI58806.2023 5-7 Oct. 2023, IEEE Xplore, 2023, DOI:doi: 10.1109/ICAI58806.2023.10339058, 311-316 [Линк](#)

Цумура се е:

84. C. Madhuja, S. Bhanot, S. M and D. Radha, "Design of an Automatic Washing Machine Control System using Deterministic Finite Automata, " 2024 5th IEEE Global Conference for Advancement in Technology (GCAT), Bangalore, India, 2024, pp. 1-5, doi: 10.1109/GCAT62922.2024.10923861., @2024 [Линк](#) 1.000

53. **Georgiev, S.G.**. Mathematical identification analysis of a fractional-order delayed model for tuberculosis. Fractal and Fractional, 7, 7, MDPI, 2023, ISSN:2504-3110, DOI:10.3390/fractalfract7070538, 538. SJR (Scopus):0.627, JCR-IF (Web of Science):5.4 [Линк](#)

Цумура се е:

85. Kaushik, H., Verma, V.S., Singh, R., Manickam, A. "Assessing the Effects of Vaccination on Tuberculosis and COVID-19 Co-Infection Modelling". Contemporary Mathematics, 6(1), 222-245, 2024, @2024 [Линк](#) 1.000

54. **Gerdjikov, V. S., Stefanov, A. A.**. Riemann–Hilbert Problems, Polynomial Lax Pairs, Integrable Equations and Their Soliton Solutions. Symmetry Special Issue: Symmetries/Asymmetries in Mathematical Physics: Integrable Systems, Solitons and Nonlinear Waves, 15, 10, MDPI, 2023, ISSN:2073-8994, DOI:https://doi.org/10.3390/sym15101933, 1933. SJR (Scopus):0.483, JCR-IF (Web of Science):2.7 [Линк](#)

Цумура се е:

86. Cimpoiasu, R.; Constantinescu, R. Wave Solutions for a (2 + 1)-Dimensional Burgers–KdV Equation with Variable Coefficients via the Functional Expansion Method. *Symmetry* 2024, 16, 96., @2024 [Линк](#) 1.000
87. Muniyappan, A.; Manikandan, K.; Saparbekova, A.; Serikbayev, N. Exploring the Dynamics of Dark and Singular Solitons in Optical Fibers Using Extended Rational Sinh–Cosh and Sine–Cosine Methods. *Symmetry* 2024, 16, 561., @2024 [Линк](#) 1.000

55. Hao, S., Zhang, L., Jiang, Y., Wang, J., Ji, Z., Zhao, L., **Ganchev, I.** ConvNeXt-ST-AFF: A Novel Skin Disease Classification Model Based on Fusion of ConvNeXt and Swin Transformer. *IEEE Access*, 11, IEEE, 2023, ISSN:2169-3536, DOI:10.1109/ACCESS.2023.3324042, 117460-117473. SJR (Scopus):0.926, JCR-IF (Web of Science):3.9 [Линк](#)

Цумура се е:

88. S. H. Jobayer et al., "Deep Learning for Identification of Skin Diseases: Emphasizing on Arsenic-Induced Skin Conditions, " *Proc. of the 27th International Conference on Computer and Information Technology (ICCIT 2024)*, Cox's Bazar, Bangladesh, 2024, pp. 3254-3259. ISBN: 979-833151909-4. DOI: 10.1109/ICCIT64611.2024.11021807., @2024 [Линк](#) 1.000
89. V. Bindu, M. Shanmuga Sundari, P. Pasupuleti, R. Shaik and J. Pochareddy, "Revolutionizing Skin Disease Diagnosis: Advanced Image Analysis and Precision Healthcare using EfficientNet, " *2024 8th International Conference on Electronics, Communication and Aerospace Technology (ICECA)*, Coimbatore, India, 2024, pp. 604-608. eISBN: 979-8-3503-6790-4. DVD ISBN: 979-8-3503-6789-8. DOI: 10.1109/ICECA63461.2024.10801028., @2024 [Линк](#) 1.000

56. Hao, S., Wu, H., Jiang, Y., Ji, Z., Zhao, L., Liu, L., **Ganchev, I.** GSCEU-Net: An End-to-End Lightweight Skin Lesion Segmentation Model with Feature Fusion Based on U-Net Enhancements. *Information*, 14, 9, MDPI, 2023, ISSN:2078-2489, DOI:10.3390/info14090486, 1-18. SJR (Scopus):0.662, JCR-IF (Web of Science):3.1 [Линк](#)

Цумура се е:

90. Qin, Xianhao, Chunsheng Li, Yingyi Liang, Huilin Zheng, Luxi Dong, Yarong Liu, and Xiaolan Xie. 2024. "Robust Bi-Orthogonal Projection Learning: An Enhanced Dimensionality Reduction Method and Its Application in Unsupervised Learning" *Electronics* 13, no. 24: 4944. eISSN: 2079-9292. DOI: 10.3390/electronics13244944., @2024 [Линк](#) 1.000

57. Ji, Z., Zhao, Z., Zeng, X., Wang, J., Zhao, L., Zhang, X., **Ganchev, I.** ResDSda\_U-Net: A novel U-Net based residual network for segmentation of pulmonary nodules in lung CT images. *IEEE Access*, 11, IEEE, 2023, ISSN:2169-3536, DOI:10.1109/ACCESS.2023.3305270, 87775-87789. SJR (Scopus):0.926, JCR-IF (Web of Science):3.9 [Линк](#)

Цумура се е:

91. Lu Y., Fan X., Wang J., Chen S., Meng J. ParaU-Net: An improved UNet parallel coding network for lung nodule segmentation (2024) *Journal of King Saud University - Computer and Information Sciences*, 36 (9), art. no. 102203. ISSN: 1319-1578. eISSN: 2213-1248. DOI: 10.1016/j.jksuci.2024.102203., @2024 [Линк](#) 1.000

58. Chavdarov, I., Yovchev, K., Miteva, L., **Stefanov, A.**, Nedanovski, D.. A Strategy for Controlling Motions Related to Sensory Information in a Walking Robot Big Foot. *Sensors: Special Issue Mobile Robots: Navigation, Control and Sensing*, 23, 3, MDPI, 2023, ISSN:1424-8220, DOI:https://doi.org/10.3390/s23031506, 1506. SJR (Scopus):0.76, JCR-IF (Web of Science):3.847 [Линк](#)

Цумура се е:

92. Y. Tong, H. Liu and Z. Zhang, "Advancements in Humanoid Robots: A Comprehensive Review and Future Prospects, " in *IEEE/CAA Journal of Automatica Sinica*, vol. 11, no. 2, pp. 301-328, February 2024, doi: 10.1109/JAS.2023.124140, @2024 [Линк](#) 1.000

59. Hao, S., Wu, H., Du, C., Zeng, X., Ji, Z., Zhang, X., **Ganchev, I.** CACDU-Net: A novel DoubleU-Net based semantic segmentation model for skin lesions detection in images. *IEEE Access*, 11, IEEE, 2023, ISSN:2169-3536, DOI:10.1109/ACCESS.2023.3300895, 82449-82463. SJR (Scopus):0.926, JCR-IF (Web of Science):3.9 [Линк](#)

Цумура се е:

93. Hu N., Li B., Peng H., Liu Z., Wang J. LMFUNet: A Lightweight Multi-fusion UNet Based on Spiking Neural Systems for Skin Lesion Segmentation (2024) *IEEE Access*. (e)ISSN: 2169-3536. DOI: 10.1109/ACCESS.2024.3523200., @2024 [Линк](#) 1.000

60. Ji, Z., Wu, Y., Zeng, X., An, Y., Zhao, L., Wang, Z., **Ganchev, I.** Lung Nodule Detection in Medical Images Based on Improved YOLOv5s. *IEEE Access*, 11, IEEE, 2023, ISSN:2169-3536, DOI:10.1109/ACCESS.2023.3296530, 76371-76387. SJR (Scopus):0.926, JCR-IF (Web of Science):3.9 [Линк](#)

Цумура се е:

94. H. Zhao, L. Jiang, L. Ma, D. Sun and Y. Fu, "Domain Adaptive Lung Nodule Detection in X-Ray Image, " *2024 IEEE International Conference on Systems, Man, and Cybernetics (SMC)*, Kuching, Malaysia, 2024, pp. 1684-1690. eISBN: 978-1-6654-1020-5. USB ISBN: 978-1-6654-1019-9. DOI: 10.1109/SMC54092.2024.10831519., @2024 [Линк](#) 1.000
95. Harale A.M., Bairagi V.K., Boonchieng E., Bachute M.R. Nodules Detection in Lungs CT Images Using Improved YOLOV5 and Classification of Types of Nodules by CNN-SVM (2024) *IEEE Access*, 12, pp. 140456 - 140471. ISSN: 2169-3536. DOI: 10.1109/ACCESS.2024.3466292., @2024 [Линк](#) 1.000

96. Sharma D.K., Pal M.K. Lung Nodules Detection Using YOLOv7 (2024) Proc. of the 2024 International Conference on Artificial Intelligence and Emerging Technology, Global AI Summit 2024, pp. 606 - 611. ISBN: 979-835037971-6. DOI: 10.1109/GlobalAISummit62156.2024.10947874., @2024 [Линк](#) 1.000
97. Zou X., Han L., Fan S., Xia K. MLS-YOLOv8m: A Multi-scale Feature Enhancement Method for Pulmonary Nodule Detection (2024) Proceedings of the International Conference on Advanced Computer Theory and Engineering, ICACTE, (2024), pp. 203 - 206. ISSN: 2154-7491. DOI: 10.1109/ICACTE62428.2024.10871839., @2024 [Линк](#) 1.000
61. Ji, Z., Yao, D., Chen, R., Lyu, T., Liao, Q., Zhao, L., **Ganchev, I.** U-Net\_dc: A novel U-Net-based model for endometrial cancer cell image segmentation. Information, 14, 7, MDPI, 2023, ISSN:2078-2489, DOI:10.3390/info14070366, 1-19. SJR (Scopus):0.662, JCR-IF (Web of Science):3.1 [Линк](#)  
Цитира се в:
  98. Z. Ahmed, S. A. Tanim, F. S. Prity, H. Rahman and T. B. M. Maisha, "Improving Biomedical Image Segmentation: An Extensive Analysis of U-Net for Enhanced Performance, " 2024 Second International Conference on Emerging Trends in Information Technology and Engineering (ICETITE), Vellore, India, 2024, pp. 1-6. DOI: 10.1109/ic-ETITE58242.2024.10493320., @2024 [Линк](#) 1.000
62. Ji, Z., Zhao, J., Liu, J., Zeng, X., Zhang, H., Zhang, X., **Ganchev, I.** ELCT-YOLO: An Efficient One-Stage Model for Automatic Lung Tumor Detection based on CT Images. Mathematics, 11, 10, MDPI, 2023, ISSN:2227-7390, DOI:10.3390/math11102344, 1-22. SJR (Scopus):0.446, JCR-IF (Web of Science):2.4 [Линк](#)  
Цитира се в:
  99. G. Thakral, U. Kumar and S. Gambhir, "Implementation of Deep Learning-Based Segmentation Technique on LDCT Scan Images for Detection of Lung Cancer in Early Stages, " Proc. of 2024 International Conference on Computing, Sciences and Communications (ICCSC), Ghaziabad, India, 2024, pp. 1-6. DOI: 10.1109/ICCSC62048.2024.10830427., @2024 [Линк](#) 1.000
  100. Gao Y., Pang Y., Li Y., He K. Improved Yolov8-Based Algorithm for Pulmonary Nodule Detection (2024) Proc. of 2024 3rd International Conference on Health Big Data and Intelligent Healthcare (ICHIH 2024), pp. 49 - 55. ISBN: 979-833151658-1. DOI: 10.1109/ICHIH63459.2024.11064882., @2024 [Линк](#) 1.000
  101. Sharma D.K., Pal M.K. Lung Nodules Detection Using YOLOv7 (2024) Proc. of the 2024 International Conference on Artificial Intelligence and Emerging Technology, Global AI Summit 2024, pp. 606 - 611. ISBN: 979-835037971-6. DOI: 10.1109/GlobalAISummit62156.2024.10947874., @2024 [Линк](#) 1.000
63. Ji, Z., Du, C., Jiang, J., Zhao, L., Zhang, H., **Ganchev, I.** Improving non-negative Positive-Unlabeled learning for news headline classification. IEEE Access, 11, IEEE, 2023, ISSN:2169-3536, DOI:10.1109/ACCESS.2023.3269304, 40192-40203. SJR (Scopus):0.926, JCR-IF (Web of Science):3.9 [Линк](#)  
Цитира се в:
  102. Zhu, Y. et al. (2025). Rethinking the Reliability of Post-hoc Calibration Methods Under Subpopulation Shift. In: Hadfi, R., Anthony, P., Sharma, A., Ito, T., Bai, Q. (eds) PRICAI 2024: Trends in Artificial Intelligence. PRICAI 2024. Lecture Notes in Computer Science, vol 15282, pp. 16-28. Springer, Singapore. ISSN: 0302-9743 / 1611-3349. Print ISBN: 978-981-96-0118-9. Online ISBN: 978-981-96-0119-6. DOI: 10.1007/978-981-96-0119-6\_2., @2024 [Линк](#) 1.000
64. Stoyanov, L., **Stefanov, A.**, Dreischuh, A., Paulus, G. G. Gouy phase of Bessel-Gaussian beams: theory vs. experiment. Optics Express, 31, 9, Optica Publishing Group, 2023, ISSN:1094-4087, DOI:10.1364/OE.480761, 13683-13699. SJR (Scopus):1.138, JCR-IF (Web of Science):3.8 [Линк](#)  
Цитира се в:
  103. A Srinivasa Rao, A conceptual review on Bessel beams, Published 22 May 2024, Physica Scripta, Volume 99, Number 6Citation A Srinivasa Rao Phys. Scr. 99, 062007, 2024 DOI 10.1088/1402-4896/ad4921, @2024 [Линк](#) 1.000
  104. Guangqing Du, Fangrui Yu, Ahmad Waqas, Feng Chen, Ultrafast thermalization dynamics in silicon wafer excited by femtosecond laser double-pulse vortex beam, Optics & Laser Technology 174, July 2024, 110619, @2024 [Линк](#) 1.000
65. Hao, S., Xu, H., Ji, H., Wang, Z., Zhao, L., Ji, Z., **Ganchev, I.** G2-ResNeXt: A Novel Model for ECG Signal Classification. IEEE Access, 11, IEEE, 2023, ISSN:2169-3536, DOI:10.1109/ACCESS.2023.3265305, 34808-34820. SJR (Scopus):0.926, JCR-IF (Web of Science):3.9 [Линк](#)  
Цитира се в:
  105. H. Sun, D. Luo, X. Niu, X. Zeng, B. Zheng, H. Liu, J. Pan. "Classification Algorithms in Automatic Diagnosis of ECG Arrhythmias: A Review, " IEEE Access, vol. 12, pp. 191921-191935. 2024. (e)ISSN: 2169-3536. DOI: 10.1109/ACCESS.2024.3518776., @2024 [Линк](#) 1.000

Цумура се в:

106. Mukmin, C. S., F. H. Masyfa, T. Widiyaningtyas, E. P. M. Syahri, I. M. Wirawan and L. Hidayati, "Predict Mobile Legends Match Results Based on In-Game Conditions Using Deep Learning Models, " 2024 Beyond Technology Summit on Informatics International Conference (BTS-I2C), Jember, East Java, Indonesia, 2024, pp. 637-641, doi: 10.1109/BTS-I2C63534.2024.10941825., @2024 [Линк](#) 1.000

67. Georgiev, I., Grozev, D., Beloev, I., Milchev, M., Gladkova, V.. Enhancing Inventory Optimization and Management for Automotive Repair Shops. AIP Conference Proceedings, 3129, 1, AIP Publishing, 2024, ISSN:1551-7616, DOI:10.1063/5.0201437, 070002. SJR (Scopus):0.152 [Линк](#)

Цумура се в:

107. V. Ladva, M. Shukla, and C. Vaghela, "The Impact of Supply Chain Delays on Inventory Levels and Sale Demand Fulfillment: Analyzing the Effects of Lead Times and In-Transit Quantities: A Quantitative Exploration of Logistics Efficiency and Inventory Optimization", Eng. Technol. Appl. Sci. Res., vol. 14, no. 4, pp. 15700–15710, Aug. 2024., @2024 [Линк](#) 1.000

68. Dimova, M., Kolkovska, N., Kutev, N.. Global behavior of the solutions to nonlinear wave equations with combined power-type nonlinearities with variable coefficients. Nonlinear Analysis, Theory, Methods and Applications, 242, Elsevier Ltd, 2024, ISSN:0362546X, DOI:10.1016/j.na.2024.113504, no. 113504. JCR-IF (Web of Science):1.3 [Линк](#)

Цумура се в:

108. Yernazar, A., Aslan, E., Bağlan, İ. "The dependency of the analytical and numerical solution on the  $\epsilon$  parameter in hyperbolic and pseudo-hyperbolic problems with inverse coefficients". Commun. Fac. Sci. Univ. Ank. Ser. A1 Math. Stat., 73(4), 1171-1196, 2024, @2024 [Линк](#) 1.000

69. Kyurkchiev, N., Zaeovski, T., Iliev, A., Kyurkchiev, V., Rahnev, A.. Modeling of some classes of extended oscillators: simulations, algorithms, generating chaos, and open problems. Algorithms, 17, 3, MDPI, 2024, ISSN:1999-4893, DOI:10.3390/a17030121, 121. SJR (Scopus):0.515, JCR-IF (Web of Science):2.1 [Линк](#)

Цумура се в:

109. Apostolov, P., Shopov, D. "An Investigation of the Focusing Properties of a Luneburg Lens". 15th National Conference with International Participation Electronica 2024 Proceedings. IEEE, 2024, @2024 [Линк](#) 1.000

70. Nikolov, N., Ökten, A.Y.. Strongly Goldilocks domains, quantitative visibility, and applications. Journal of Mathematical Analysis and Applications, 534, 2, 2024, ISSN:0022247X, 10960813, DOI:https://doi.org/10.1016/j.jmaa.2024.128130, 1-18. SJR (Scopus):0.855, JCR-IF (Web of Science):1.2 [Линк](#)

Цумура се в:

110. H. Li, X. Pu, H. Wang, The Gehring-Hayman type theorem on pseudoconvex domains of finite type in  $C^2$ , Ann. Mat. Pura Appl. 203 (2024), 2785–2799., @2024 [Линк](#) 1.000

71. Mansoor, N., Iliev, Al.. DeepFake Detection Using Deep Learning. Intelligent Computing, Lecture Notes in Networks and Systems, 1018, Springer, 2024, ISBN:978-3-031-62268-7, ISSN:2367-3370, DOI:https://doi.org/10.1007/978-3-031-62269-4\_14, 202-213. SJR (Scopus):0.17 [Линк](#)

Цумура се в:

111. Biswas, B., Raha, A. D., Paul, C., Dam, S. K., Adhikary, A., Debnath, R., ... & Gain, M. (2024, December). Navigating the Obscured: A Novel Deepfake Detection Framework Tackling Trending Occlusions in Social Media. In 2024 27th International Conference on Computer and Information Technology (ICCIT) (pp. 2986-2991). IEEE., @2024 [Линк](#) 1.000

72. Ji, Z., Mu, J., Liu, J., Zhang, H., Dai, C., Zhang, X., Ganchev, I.. ASD-Net: A novel U-Net based asymmetric spatial-channel convolution network for precise kidney and kidney tumor image segmentation. Medical & Biological Engineering & Computing, 62, Springer, 2024, ISSN:0140-0118 / 1741-0444, DOI:10.1007/s11517-024-03025-y, 1673-1687. SJR (Scopus):0.641, JCR-IF (Web of Science):2.6 [Линк](#)

Цумура се в:

112. Amjad H., Asif N., Elahi H., Khan U.S., Akbar H., Ansari A.R., Nawaz R. Precision Segmentation and Binary Masking of Skin Lesions in Automated Dermatological Diagnostics using Detectron2 (2024) IEEE Access. (e)ISSN: 2169-3536. DOI: 10.1109/ACCESS.2024.3514865., @2024 [Линк](#) 1.000

113. S. Li, X. Liu and F. Khelifi, "Medical Image Segmentation Based on Transformer and Spatial Recursive Convolution, " 2024 12th International Conference on Control, Mechatronics and Automation (ICCM), London, United Kingdom, 2024, pp. 311-316. eISSN: 2837-5149. eISBN: 979-8-3315-1751-9. USB ISBN: 979-8-3315-1750-2. DOI: 10.1109/ICCM63715.2024.10843877., @2024 [Линк](#) 1.000

73. Ji, Z., Wang, X., Liu, C., Wang, Z., Yuan, N., Ganchev, I.. EFAM-Net: A Multi-Class Skin Lesion Classification Model Utilizing Enhanced Feature Fusion and Attention Mechanisms. IEEE Access, 12, IEEE, 2024, ISSN:2169-3536, DOI:10.1109/ACCESS.2024.3468612, 143029-143041. SJR (Scopus):0.96, JCR-IF (Web of Science):3.4 [Линк](#)

Цумура се в:

114. Amjad H., Asif N., Elahi H., Khan U.S., Akbar H., Ansari A.R., Nawaz R. Precision Segmentation and Binary Masking of Skin Lesions in Automated Dermatological Diagnostics using Detectron2 (2024) IEEE Access. (e)ISSN: 2169-3536. DOI: 10.1109/ACCESS.2024.3514865., @2024 [Линк](#)

115. Makesh N.S., Anandkumar K.M., Kavitha D. Enhanced Skin Cancer Diagnosis via Optimized ResNet150v2-CNN Integration (2024) Proc. of 2024 International Conference on System, Computation, Automation and Networking (ICSCAN 2024). ISBN: 979-833151002-2. DOI: 10.1109/ICSCAN62807.2024.10894088., @2024 [Линк](#)

74. Tsokov Ts., Kostadinov H.. Dynamic network-aware container allocation in Cloud/Fog computing with mobile nodes. Internet of Things, 26, Elsevier, 2024, ISSN:2543-1536, 101211. JCR-IF (Web of Science):6 [Линк](#)

Цитирана се е:

116. Prince Sekwatlakwatla, S., Malele, V., "Comparison of the SOLA model and ARIMA for Cloud Computing Resources Allocations", 1.000 Proceedings of 2024 4th International Multidisciplinary Information Technology and Engineering Conference, IMITEC 2024, @2024

75. Luna, R, Doneva, D, Font, J, Lien, J, Yazadjiev, S. Quasinormal modes in modified gravity using physics-informed neural networks. Physical Review D, 109, Purpose-Led Publishing, 2024, ISSN:2470-0010, DOI:10.1103/PhysRevD.109.124064, 124064. JCR-IF (Web of Science):4.6 [Линк](#)

Цитирана се е:

117. Mathivanan, A., Kumar, N., Kumar, P., Nivesh, A., Gupta, S., Thakur, G., Detection of Deviations from Lambda-CDM in Dark Matter Power Spectrum Using Cosmology Informed Neural Networks, Proceedings of the 2024 3rd Edition of IEEE Delhi Section Flagship Conference Delcon, 2024, @2024 [Линк](#)

E 1.8.2:

Цитати (първа част - на научни публикации) - в други научни издания

- **Звено: ( ИМИ ) Институт по математика и информатика**
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- **Година:** 2024 ÷ 2024
- **Условие:** Датата да бъде по-голяма от 01.02.2025
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Брой цитирани публикации: 41	Брой цитиращи източници: 48	Коригиран брой: 48.000
------------------------------	-----------------------------	------------------------

1989

1. Drensky, V., Lakatos, P.. Monomial ideals, group algebras and error correcting codes. "Applied Algebra, Algebraic Algorithms and Error-Correcting Codes" (Ed.:T. Mora), Lecture Notes in Computer Sci., 357, Springer, 1989, 181-188. ISI IF:0.273 [Линк](#)

Цитирана се е:

1. Hiteshwar Singh, Dhananjay Kumar Mishra, Application of Group algebra  $R[G]$  in Communication (Coding Theory), Advances in Computational Sciences and Technology 17(2) (2024), 103-112, @2024 [Линк](#)

1995

2. Mutafchiev L. R.. Local limit approximations for Lagrangian distributions. Aequationes Math., 49, Springer, 1995, ISSN:0001-9054, 57-85 [Линк](#)

Цитира се е:

2. Macia, V.J. "The theory of Khinchin families". PhD Thesis, Universidad Autonoma de Madrid, 2024., @2024 [Линк](#) 1.000

---

## 2000

---

3. Apostolico, A., **Brimkov, V.E.** Fibonacci arrays and their two-dimensional repetitions. Theoretical Computer Science, 237, Elsevier, 2000, 263-273. JCR-IF (Web of Science):0.772 [Линк](#)

Цитира се е:

3. Ghazawi, Samah Idrees Algorithms and Combinatorics in 1D and 2D Strings University of Haifa (Israel) ProQuest Dissertations & Theses, 2024 PhD thesis, @2024 [Линк](#) 1.000

---

## 2005

---

4. **Dobrev, D.** Formal definition of artificial intelligence. International Journal of Information Theories and Applications, 12, 3, ITHEA, 2005, ISSN:1310-0513, 277-285 [Линк](#)

Цитира се е:

4. Schäfer, Philip. "Künstliche Intelligenz und Marketing." (2024). ISBN 978-3-658-43759-6, @2024 [Линк](#) 1.000

5. **Dobrev, D.** A Definition of Artificial Intelligence. Mathematica Balkanica, New Series, 19, 1-2, 2005, 67-73 [Линк](#)

Цитира се е:

5. Lal, Sudhanand Prasad, et al. "Origin and History of AI, IoT and Blockchain Technology and their Pertinence in Food Supply Chain Management." The Future of Agriculture: IoT, AI and Blockchain Technology for Sustainable Farming. Bentham Science Publishers, 2024. 100-118. ISBN: 9789815274356, @2024 [Линк](#) 1.000

6. 姚仁朋, et al. "机器学习在食品工业中的应用." Journal of Chinese Institute of Food Science & Technology 24.1 (2024). ISSN:1009-7848., @2024 [Линк](#) 1.000

6. **Brimkov, V.E.**, Apostolico, A.. Optimal discovery of repetitions in 2D. Discrete Applied Mathematics, 151, Elsevier, 2005, 5-20. JCR-IF (Web of Science):0.932 [Линк](#)

Цитира се е:

7. Ghazawi, Samah Idrees. Algorithms and Combinatorics in 1D and 2D Strings University of Haifa (Israel) ProQuest Dissertations & Theses, 2024, @2024 1.000

---

## 2006

---

7. **Kenderov, P.S.** Competitions and mathematics education. Proceedings of the International Congress of Mathematicians, 3, European Mathematical Society, 2006, 1583-1598 [Линк](#)

Цитира се е:

8. Sánchez, D.A., Calero, M.O., Pérez, E.A., Casanova, S.C., Hitos, J.R., Pesqueira, M.V. "Math Team Contest: Refinement and Extension of Teaching Methodologies". In: Buenas Prácticas en Docencia. Comillas 2022-23. Universidad Pontificia Comillas ICAI-ICADE, 2024, @2024 [Линк](#) 1.000

9. Vulovic, N., Milenković, A., Milikić, M. "Разлике у постигнућима ученика 7. и 8. разреда који наставу похађају у основним школама и при гимназијама на државним такмичењима из математике". Зборник радова Педагошког факултета у Ужицу 27(26):221-244, 2024, @2024 [Линк](#) 1.000

---

## 2007

---

8. **Brimkov, V.E.**, Coeurjolly, D., Klette, R.. Digital planarity—A review. Discrete Applied Mathematics, 155, Elsevier, 2007, 468-495. JCR-IF (Web of Science):0.956 [Линк](#)

Цитира се е:

10. Bastien Laboureux. Hyperplans arithmétiques : connexité, reconnaissance & transformations. Informatique [cs]. Université de Lorraine, Français, 2024 PhD Thesis, @2024 1.000

---

## 2008

---

9. Tagarev, T., **Ts. Tsachev, N. Zhivkov**. Formalizing the Optimization Problem in Long-Term Capability Planning. Information and Security : An International Journal, 23, 1, ProCon Ltd, 2008, ISSN:0861-5160 (Print), 1314-2119 (Online), 99-114 [Линк](#)

Цитира се в:

11. San Martín Riveros, L.A. "Robust capabilities design and optimization for a modular block-based organization". PhD Thesis. Pontificia Universidad Católica de Chile, 2024, @2024 [Линк](#) 1.000

---

## 2010

---

10. **Derzhanski, I.**, Payne, T.. The Linguistics Olympiads: Academic competitions in linguistics for secondary school students. K Denham and A Lobeck (eds.), Linguistics at School: Language Awareness in Primary and Secondary Education, Cambridge University Press, 2010, ISBN:978-0-521-88701-4, 213-226

Цитира се в:

12. Cojocaru, V., R. M. Preda. "Învățarea prin rezolvarea de probleme (Problem-based Learning): Aspecte privind româna ca limbă străină". 1.000 2024. Romanian Studies Today 8 (1). <https://doi.org/10.62229/rst/8.1/5.>, @2024 [Линк](#)
13. Nikulin, A. "Las olimpiadas de lingüística, o cómo llevar la lingüística a la secundaria". In: Mare, M., Espinosa, G. \_Aportas Disciplinarias II 1.000 SAEL\_, Libros digitales de la Sociedad Argentina de Estudios Lingüísticos: Estudios 2024., @2024 [Линк](#)

---

## 2013

---

11. **Derzhanski I.**. Multilingual Editing of Linguistic Problems. In: Proceedings of the Fourth Workshop on Teaching Natural Language Processing, 2013, ISBN:978-1-937284-69-5, 27-34 [Линк](#)

Цитира се в:

14. Nikulin, A. "Las olimpiadas de lingüística, o cómo llevar la lingüística a la secundaria". In: Mare, M., Espinosa, G. \_Aportas Disciplinarias II 1.000 SAEL\_, Libros digitales de la Sociedad Argentina de Estudios Lingüísticos: Estudios 2024., @2024 [Линк](#)
12. **Dobrev D.**. Comparison between the two definitions of AI. <https://arxiv.org/abs/1302.0216>, 2013 [Линк](#)
- Цитира се в:
15. Dubovyk, Olena. "Innovations in ESP teaching and learning practices." Humanities Studios: Pedagogy, Psychology, Philosophy 4, no. 12 1.000 (2024): 23-33. ISSN 2706-9222, @2024 [Линк](#)
13. **Angelova V., Borisov Y.**. Plaintext recovery in DES-like cryptosystems based on S-boxes with embedded parity check. Serdica Journal of Computing, 7, 3, ИМИ-БАН, 2013, ISSN:1312-6555, 257-270
- Цитира се в:
16. Fahd, Shah. "On the Implementation of Mathematical Backdoors in Cryptographic Algorithms and Protocols." MCS, 2024. PhD Thesis, @2024 1.000

---

## 2014

---

14. **Baicheva Ts., D. Bikov, Y. Borisov, L. Lazarova, A. Stojanova, Liliya Stoikova, St. Zhelezova**. Finding an effective metric used for bijective S-Box generation by genetic algorithms. 104-th European Study Group with Industry, Problems and Final Reports, 2014, 71-76 [Линк](#)

Цитира се в:

17. Biswas, Md. Shamim Hossain. "Nonlinear S-box construction in modern Cipher". International Journal of Scientific and Research Publications (IJSRP) 14(01), 2024, @2024 [Линк](#) 1.000

---

## 2015

---

15. **Kyurkchiev, N., S. Markov**. Sigmoid functions: Some Approximation and Modelling Aspects. Some Moduli in Programming Environment MATHEMATICA. LAP LAMBERT Academic Publishing, 2015, ISBN:978-3-659-76045-7, 110 [Линк](#)

#### Цитира се в:

18. Hafiz Muhammad Fahad, Multi-parametric optimization of magnetic resonance-imaging sequences for magnetic resonance-guided radiotherapy, Inauguraldissertation zur Erlangung des Doctor scientiarum humanarum (Dr. sc. hum.) an der Medizinischen Fakultät Heidelberg der Ruprecht-Karls-Universität, 2025., @2024 [Линк](#) 1.000

---

## 2017

---

16. Slavtchova-Bojkova M., P. Trayanov, S. Dimitrov. Branching processes in continuous time as models of mutations: Computational approaches and algorithms. Computational Statistics and Data Analysis, 113, C, Elsevier, 2017, ISSN:0167-9473, DOI:10.1016/j.csda.2016.12.013, 111-124. JCR-IF (Web of Science):1.181 [Линк](#)

#### Цитира се в:

19. Medous, C. "Interacting population, spine construction and stochastic simulations". PhD Thesis. Université Grenoble Alpes, 2024, @2024 1.000
17. Nikolov N, L. Andreev. Estimates of the Kobayashi and quasi-hyperbolic distances. Ann. Mat. Pura Appl., 196, 1, 2017, ISSN:0373-3114 (p) 1618-1891 (e), DOI:10.1007/s10231-016-0561-z, 43-50. SJR (Scopus):1.197, JCR-IF (Web of Science):1.066 [Линк](#)

#### Цитира се в:

20. M. Mocanu, A generalization of Vuorinen's distance ratio metric in metric spaces and bi-Lipschitz equivalent hyperbolic-type metrics, "Vasile Alecsandri" University of Bacau, Faculty of Sciences, Scientific Studies and Research, Series Mathematics and Informatics, 34 (2024), No 1, 33-46., @2024 1.000
18. Patie P., Ml. Savov. Cauchy problem of the non-self-adjoint Gauss-Laguerre semigroups and uniform bounds of generalized Laguerre polynomials. 7, 3, Journal of Spectral Theory, 2017, ISSN:1664-039X, DOI:10.4171/JST/178, 797-846. ISI IF:0.844 [Линк](#)

#### Цитира се в:

21. Judd, N. "On non-diffusive Wright-Fischer processes". PhD Thesis. Warwick University, UK, 2024, @2024 [Линк](#) 1.000

---

## 2018

---

19. Patie, P., Savov, M.. Bernstein-gamma functions and exponential functionals of Lévy Processes. Electronic Journal of Probability, 23, 2018, ISSN:1083-6489, DOI:10.1214/18-EJP202, 75. JCR-IF (Web of Science):0.901 [Линк](#)

#### Цитира се в:

22. Judd, N. "On non-diffusive Wright-Fischer processes". PhD Thesis. Warwick University, UK, 2024, @2024 [Линк](#) 1.000

---

## 2019

---

20. Georgiev, M, Chamati, H. Magnetic Exchange in Spin Clusters. AIP Conference Proceedings, 2075, American Institute of Physics, 2019, ISSN:1551-7616, 0094-243X, DOI:10.1063/1.5091121, 020004. SJR (Scopus):0.2 [Линк](#)

#### Цитира се в:

23. Iliceto, A. Unravelling the electronic and magnetic properties of quantum materials: from metal-organic frameworks to frustrated magnets. 1.000 Edited by A. Morris and A. Mottura, 1st ed., University of Birmingham, 2024, @2024 [Линк](#)
21. T M Mishonov, V I Danchev, E G Petkov, V N Gourev, I M Dimitrova, N S Serafimov, A A Stefanov, A M Varonov. Master equation for operational amplifiers: stability of negative differential converters, crossover frequency and pass-bandwidth. Journal of Physics Communications, 3, 3, IOPScience, 2019, ISSN:2399-6528, DOI:10.1088/2399-6528/ab050b, 035004. JCR-IF (Web of Science):1.1 [Линк](#)

#### Цитира се в:

24. Palma e Silva, J.B.L., Lintz, R.C.C., Gachet, L.A., Analysis of the Electrical and Mechanical Properties of Cement Composite Produced with Brake Lining Waste. Mechanics, Materials and Manufacturing (10th ICMMM), 2024. <https://doi.org/10.4028/p-dr94iv>, @2024 [Линк](#) 1.000
22. Tagarev, T., Polimirova, D.. Main Considerations in Elaborating Organizational Information Security Policies. 20th International Conference on Computer Systems and Technologies, CompSysTech 2019; University of Ruse; Bulgaria; 21 June 2019, Published in ACM International Conference Proceeding Series, 2019, DOI:10.1145/3345252.3345302, 68-73. SJR (Scopus):0.169 [Линк](#)

#### Цитира се в:

25. Ramey, Aaron Marshall. Using Ontological Methods to Compare Cybersecurity Maturity Model Certification 2.0 and COBIT 19. Diss. Nova Southeastern University, 2024. PhD Thesis, @2024 [Линк](#) 1.000

23. Phusanga D., **J. Koppitz**. Some varieties of algebraic systems of type  $((n), (m))$ . Asian-European Journal of Mathematics, 12, 1, World Scientific Publishing Company, 2019, ISSN:1793-5571, DOI:10.1142/S1793557119500050, 1950005-1-1950005-7. SJR (Scopus):0.17 [Линк](#)

Цитира се в:

26. P. Kunama, S. Leeratanavalee, Idempotence and regularity of generalized relational hypersubstitutions for algebraic systems, *Discussiones Mathematicae - General Algebra and Applications* 44(2) (2024) 369-382, @2024 [Линк](#)
24. Barneva. R.P., **Brimkov, V.E.**. Teaching data analytics to sport management majors: A practical approach. *Communications in Computer and Information Science*, 1011, Springer, 2019, 408-417. SJR (Scopus):0.168 [Линк](#)

Цитира се в:

27. Amukelani Mathebula, Senzo Ngcobo, Semanga Mabuza From Sportsmanship to Entrepreneurship: Building Business Acumen in South African Athletes Through Customised Education Programmes, *chrome-extension://efaidnbmnnnibpcajpcglclefindmkaj/https://internationalbusinessconference.com/wp-content/uploads/2024/10/CP158-Mathebula-From-Sportsmanship-final-corrected.pdf* 2024, @2024 1.000
28. Congelio, B. Integrating a Practical Sport Analytics Course into Sport Management Education. *The COSMA Journal*. Retrieved from <https://scholarworks.bgsu.edu/cosma/vol1/iss1/7>, 2024, @2024 1.000

---

## 2020

---

25. **Dimitrov, M.**. On the Design of Chaos-Based S-Boxes. *IEEE Access*, 8, IEEE, 2020, ISSN:2169-3536, DOI:10.1109/ACCESS.2020.3004526, 117173-117181. SJR (Scopus):0.78, JCR-IF (Web of Science):3.745 [Линк](#)

Цитира се в:

29. Zenon A. Matos Jr. and Hidear Talirongan, "Enhancing DES Security: Integrating Chaos Theory with Lorenz Attractor-Based S-Box Modifications," *International Journal of Multidisciplinary Research and Publications (IJMRAP)*, Volume 7, Issue 5, pp. 129-134, 2024., @2024 [Линк](#) 1.000
26. **Dontchev, A.**, Kolmanovsky, I., **Krastanov, M.**, **Veliov, V.**. Approximating open-loop and closed-loop optimal control by model predictive control. 2020 European Control Conference (ECC), St. Petersburg, Russia, 2020, IEEE, 2020, DOI:10.23919/ECC51009.2020.9143615., 190-195 [Линк](#)
- Цитира се в:
30. Henke, C. "Automatic Parameter Exploration and Optimization for Mobile Robotic Follower Systems". PhD Thesis. RWTH Aachen University, 2024, @2024 [Линк](#) 1.000
27. Stoyanov L., M. Zhekova, **AI. Stefanov**, I. Stefanov, G. G. Paulus, Al. Dreischuh. Zeroth- and first-order long range non-diffracting Gauss-Bessel beams generated by annihilating multiple-charged optical vortices. *Scientific Reports*, 10, Nature, 2020, ISSN:2045-2322, DOI:<https://doi.org/10.1038/s41598-020-78613-7>, 21981. SJR (Scopus):1.341, JCR-IF (Web of Science):3.998 [Линк](#)

Цитира се в:

31. C. Lutz, S. Schwarz, J. Marx, C. Esen, R. Hellmann, Combination of an axicon and a spatial light modulator for the generation of multi-Bessel beams for microdrilling using ultrashort pulsed laser, *Proc. SPIE 12873, Laser-based Micro- and Nanoprocessing XVIII*, 1287313 (12 March 2024);, @2024 [Линк](#) 1.000

---

## 2021

---

28. Jiang J., H. Zhang, C. Dai, Q. Zhan, H. Feng, Z. Ji, **I. Ganchev**. Enhancements of Attention-Based Bidirectional LSTM for Hybrid Automatic Text Summarization. *IEEE Access*, 9, IEEE, 2021, ISSN:2169-3536, DOI:10.1109/ACCESS.2021.3110143, 123660-123671. SJR (Scopus):0.587, JCR-IF (Web of Science):3.367 [Линк](#)

Цитира се в:

32. A. A. Falaki. Efficient and Enhanced Text Summarization by Compressing and Data Augmentation for Transformers-Based Models. PhD thesis. University of Windsor, Canada. 2024., @2024 [Линк](#) 1.000
29. Zhou D., S. Hao, H. Zhang, C. Dai, Y. An, Z. Ji, **I. Ganchev**. Novel SDDM Rating Prediction Models for Recommendation Systems. *IEEE Access*, 9, IEEE, 2021, ISSN:2169-3536, DOI:10.1109/ACCESS.2021.3097207, 101197-101206. SJR (Scopus):0.927, JCR-IF (Web of Science):3.476 [Линк](#)
- Цитира се в:
33. Martins, C.A., Dorneles, C.F. & Winckler, M.A. (2024). A Comprehensive Review of User Interaction for Recommendation Systems (Uma Revisao Abrangente da Interacao do Usuario em Sistemas de Recomendacao). *iSys: Revista Brasileira de Sistemas de Informacao (Brazilian Journal of Information Systems)*, Vol 17(1), 14:1-14:30. DOI: 10.5753/isys.2024.4064., @2024 [Линк](#) 1.000

30. Patie, P., **Savov, M.** Spectral expansions of non-self-adjoint generalized Laguerre semigroups. *Memoirs of the American Mathematical Society*, 272, 1336, American Mathematical Society, 2021, DOI:10.1090/memo/1336, 194, SJR (Scopus):2.692, JCR-IF (Web of Science):2.808 [Линк](#)  
Цитира се е:
34. Judd, N. "On non-diffusive Wright-Fischer processes". PhD Thesis. Warwick University, UK, 2025, @2024 [Линк](#) 1.000
31. **Poryazov, S., Andonov, V., Saranova, E.** Methods for Modelling of Overall Telecommunication Systems. *Research in Computer Science in the Bulgarian Academy of Sciences, Studies in Computational Intelligence*, 934, Springer, 2021, ISBN:978-3-030-72284-5, ISSN:1860-949X, DOI:10.1007/978-3-030-72284-5, SJR (Scopus):0.185 [Линк](#)  
Цитира се е:
35. Mageed, I., , Becheroul, A. "Stability and Randomness of Nonstationary D/M/1 Queue's GI/M/1 PSFFA Model with Ultra-Low Latency for Autonomous Driving". *Uncert. Disc. Appl. Vol. 1, No. 1*(2024) 101–109., @2024 [Линк](#) 1.000
32. **Kaloyanova, K., Naydenova I., Kovacheva Zl.** Addressing Data Quality in Healthcare. *Information Systems and Grid Technologies, ISGT 2021, 2933, CEUR Workshop Proceedings, Vol-2933, 2021, 2021, ISSN:1613-0073, 155-164. SJR (Scopus):0.18* [Линк](#)  
Цитира се е:
36. Ashkan Pirmani DOCTORAL DISSERTATION, From Centralized to Federated: The journey of data in healthcare, KU Leuven–Faculty of Engineering Science, Belgium, @2024 [Линк](#) 1.000
37. Katjimune, V. 2024. An Enterprise Architecture approach for Data Quality management within Namibian Health Information Systems. . 1.000 University of Cape Town , Faculty of Commerce , Department of Information Systems. <http://hdl.handle.net/11427/41016> PhD Thesis, @2024 [Линк](#)

---

## 2022

---

33. **Georgiev, M., Chamati, H.** Single-Ion Magnets with Giant Magnetic Anisotropy and Zero-Field Splitting. *ACS Omega*, 7, 47, American Chemical Society, 2022, ISSN:2470-1343, 2470-1343, DOI:10.1021/acsomega.2c06119, SJR (Scopus):0.71, JCR-IF (Web of Science):4.132 [Линк](#)  
Цитира се е:
38. Blockmon, A. L. Molecule-based quantum materials under extreme conditions. Edited by Musfeldt J., 1st ed., University of Tennessee, Knoxville, 2024 PhD Thesis, @2024 [Линк](#) 1.000
34. **Kenderov, P.** Mathematics competitions: an integral part of the educational process. *ZDM – Mathematics Education*, 54, Springer, 2022, ISSN:1863-9690, DOI:10.1007/s11858-022-01348-4, 983-996. SJR (Scopus):1.403, JCR-IF (Web of Science):3 [Линк](#)  
Цитира се е:
39. Vulović, N., Maričić, S., Randelović, B.M. "Analysis of achievements in solving geometric problems at district level competitions of fourth grade primary school students". *Zbornik Instituta za pedagoška istraživanja* 56(2):259-279, 2024, @2024 [Линк](#) 1.000
40. Vulovic, N., Milenković, A., Milikic, M. "Разлике у постигнућима ученика 7. и 8. разреда који наставу похађају у основним школама и при гимназијама на државним такмичењима из математике". *Зборник радова Педагошког факултета у Ужицу* 27(26):221-244, 2024, @2024 [Линк](#) 1.000
35. **Kovacheva Zl., Kaloyanova K., Naydenova, I., Saranova E.** Effective Methods for Teaching Mathematics and Informatics in Higher Education in the Digital World. *TEM Journal*, 11, 2, UIKTEN - Association for Information Communication Technology , Education and Science, 2022, ISSN:22178309, DOI:10.18421/TEM112-48, 876-881. SJR (Scopus):0.23, JCR-IF (Web of Science):0.7 [Линк](#)  
Цитира се е:
41. Howard, J.A., 2024. The Impact of Teaching Methods on Secondary Student Achievement in an Online Learning Environment–A Scoping Review. Doctoral dissertation, University of Michigan-Flint PhD Thesis, @2024 [Линк](#) 1.000

---

## 2023

---

36. Atanasov, D., Stoimenova, V., **Yanev, N. M.** Statistical modelling of COVID-19 pandemic development applying branching processes. *Journal of Applied Statistics*, 50, 11-12, Taylor and Francis, 2023, ISSN:0266-4763, DOI:10.1080/02664763.2021.2006154, 2330-2342. SJR (Scopus):0.529, JCR-IF (Web of Science):1.5 [Линк](#)  
Цитира се е:
42. Heath, B. "Evaluating pooled testing designs in community and healthcare settings for infectious disease management and in particular for epidemics". PhD Thesis. University of Cambridge, 2024, @2024 [Линк](#) 1.000

37. Chavdarov, I., Yovchev, K., Miteva, L., **Stefanov, A.**, Nedanovski, D.. A Strategy for Controlling Motions Related to Sensory Information in a Walking Robot Big Foot. Sensors: Special Issue Mobile Robots: Navigation, Control and Sensing, 23, 3, MDPI, 2023, ISSN:1424-8220, DOI:https://doi.org/10.3390/s23031506, 1506. SJR (Scopus):0.76, JCR-IF (Web of Science):3.847 [Линк](#)

Цитира се в:

43. Wu, Y.; Tang, B.; Tang, J.; Qiao, S.; Pang, X.; Guo, L. Stable Walking of a Biped Robot Controlled by Central Pattern Generator Using Multivariate Linear Mapping. Biomimetics 2024, 9, 626., @2024 [Линк](#) 1.000

---

## 2024

---

38. Kateri, M., **Nikolov, N.I.**. Product of spacings estimation in step-stress accelerated life testing: an alternative to maximum likelihood. IEEE Transactions on Reliability, 73, 3, IEEE, 2024, ISSN:0018-9529, DOI:10.1109/TR.2024.3369977, 1433-1445. SJR (Scopus):1.264, JCR-IF (Web of Science):5.7 [Линк](#)

Цитира се в:

44. EL-Sagheer, R.M. "Exhaustive analysis for different types of partially accelerated life tests under progressive censoring schemes". Journal of Administrative Sciences and Digital Technology 2(3):121-134, 2024, @2024 [Линк](#) 1.000

39. Enayati, M., Gazeau, J.-P., **Pejhan, H.**, Wang, A.. The de Sitter (dS) group and its representations. Springer Nature, Springer Cham, 2024, ISBN:978-3-031-56552-6, DOI:10.1007/978-3-031-56552-6, 250 [Линк](#)

Цитира се в:

45. Pethybridge, Benjamin J, "Modelling quantum phenomena in the de Sitter universe", (2024). PhD thesis (King's Coll. London), @2024 [Линк](#) 1.000

40. Grammenos, G., Vrahatis, A. G., Vlamos, P., **Palejev, D.**, Exarchos, T.. Predicting the conversion from mild cognitive impairment to Alzheimer's disease using an explainable AI approach. Information, 15, 5, MDPI, 2024, ISSN:2078-2489, DOI:10.3390/info15050249, 249. SJR (Scopus):0.648, JCR-IF (Web of Science):2.9 [Линк](#)

Цитира се в:

46. Hogan, J.S. "Democratizing the Early Identification of Alzheimer's Disease and Access to Care: The Role of Psychologists in Brief Assessment". PhD Thesis. University of Massachusetts, 2024, @2024 [Линк](#) 1.000

41. Stefanova, Ts., **Georgiev, S.**. Possibilities for using AI in mathematics education. Mathematics and Education in Mathematics, 53, Union of Bulgarian Mathematicians, 2024, ISSN:2815-4002, DOI:10.55630/mem.2024.53.117-125, 117-125 [Линк](#)

Цитира се в:

47. Amam, A., Effendi, A., Fatimah, A.T, Manjilah, R.R., Rahman, M.N. "Optimizing soft skill development in vocational high schools by utilizing artificial intelligence". Galuh International Journal of Community Service and Development, 2(1), 25-32, 2024, @2024 [Линк](#) 1.000

48. Funny, R.A., Kusumaningrum, M.A.D., Rahmawati, F.K. "The Hypothetical Learning Trajectories of AI Usage in Learning Integral for Aerospace Engineering Students". Southeast Asia Mathematics Education Journal, 14(2), 129-140, 2024, @2024 [Линк](#) 1.000