

І. НАУЧНО-ИЗСЛЕДОВАТЕЛСКА ДЕЙНОСТ

Публикации и цитирания 2005 – 2010

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1.1. Публикации

1.1.4. Студия в международно списание с ISI импакт-фактор

1. G. Bogdanova, T. Todorov, V. Zinoviev, On construction of q-ary equidistant codes, Problems of Information Transmission, vol. 43, pp.13-36, (2007). (in English) G. T. Bogdanova, V. A. Zinoviev and T.J.Todorov, On the Construction of q-ary Equidistant Codes, Problemy Peredachi Informatsii, No. 4, 2007, pp. 13–36. (in Russian)

1.1.5 Студия в международно списание без ISI импакт-фактор

2. G. Bogdanova, T. Todorov, Ts. Georgieva, New approaches for development, analyzing and security of multimedia archive of folklore objects, Computer Science Journal of Moldova, vol. 16, 2(47), pp.183-208, (2008)

1.1.6. Статия в списание с ISI импакт-фактор

3. Galina Bogdanova, Tsvetanka Georgieva, Using error-correcting dependencies for collaborative filtering, Elsevier, Data & Knowledge Engineering, Volume 66, Issue 3, September 2008, Pages 402-413, ISSN 0169-023X, (<http://www.sciencedirect.com/science/article/B6TYX-4SFS0HN-1/2/0087e121ccc681446c4f4fc7b9e65c41>)<http://dx.doi.org/10.1016/j.datak.2008.04.008>
4. G. Bogdanova, T. Todorov, V. Todorov, QPlus - computer package for coding theory research and education, International Journal of Computer Mathematics, (2010), (to appear).

1.1.8. Статия в международно списание без ISI импакт-фактор

1. Galina Bogdanova, Tsvetanka Georgieva, Analyzing the Data in OLAP Data Cubes, International Journal on Information Theories and Applications, Vol. 12, № 4, 2005, pages 335-342.
2. G. Bogdanova, T. Todorov, Application of digital watermarking, Journal of International Research Publications (serial online), Science Invest Ltd, (2006).
3. G. Bogdanova, T. Todorov, Bounds on the Size of Equidistant codes over Alphabet of Five and Six Elements, Mathematica Balcanica, New Series, vol. 21, (3-4), pp.131-140, (2007). **MR2350725**.
4. G. Bogdanova, T. Todorov, Ts. Georgieva, Algorithms for security and analization of experimental multimedia archive, Mathematica Balcanica, New Series, vol. 21, (3-4), pp.225-232, (2007).
5. G. Bogdanova, T. Todorov, D. Blagoev, M. Todorova, Use of Dynamic Technologies for WEB-enabled Database Management Systems, International Journal Information Technologies and Knowledge, vol. 1, pp.335-340, (2007).

6. G. Bogdanova, G. Oh Katona, All 3-equidistant codes, J.of Combinatorics, Information & System Sciences (JCISS), Vol. 34, No. 1-4, pp. 161-167, (2009), ISSN - 0250-9628;
7. G.Bogdanova, T.Todorov, T.Yorgova, New ternary and quaternary constant-weight equidistant codes, Discrete Mathematics, Algorithms and Applications, vol. 2, No. 1, pp. 89-97 (2010).
8. T.Todorov, G.Bogdanova, T.Yorgova, Lexicographic constant-weight equidistant codes over the alphabet of three, four and five elements, Intelligent Information Management, vol. 2, No. 3, pp.183-187, (2010). ISSN: 2150-8194

1.1.9. Статия в национално списание без ISI импакт-фактор

1. G. Bogdanova, R. Pavlov, G. Todorov, V Mateeva, Knowledge Technologies for Creation of Digital Presentation and Significant Repositories of Folklore Heritage, Advances in Bulgarian Science Knowledge, National Centre for Information and Documentation, N 3, 2006, pp.7-15.
2. Galina Bogdanova, Tsvetanka Georgieva, An Application for Discovering the Association Rules in OLAP Data Cubes, Journal "Automatica and Informatics", 40 (4), 2006, pages 29-33 (in Bulgarian).
3. Галина Богданова, Дигитален архив „Българско фолклорно наследство“: програмно осигуряване и защита на данни, сп. Български фолклор (ISSN 0323-9861), кн. 3/2010 г. - „Дигитален архив и фолклорно наследство“ (под печат) .
4. G. Bogdanova, Classification results for ternary equidistant codes of length up to 10, Buletin na BAN (accepted).
G. Bogdanova. T.Todorov, T.Yorgova, Equidistant Constant Weight Codes over the alphabet of three, four and five elements, Preprint 1, BAS, 2008.
G. Bogdanova, T. Todorov, T. Pagkou, New equidistant constant weight codes over alphabet of three, four and five elements, Preprint 1/2008, BAS, (2008).

1.1.10. Доклад публикуван в сборник трудове от международна конференция

1. G. Bogdanova, T. Todorov, Bounds on the size of equidistant codes over alphabet of five and six elements, In Proc. of the Fourth International Workshop on Optimal Codes and Related Topics, (2005).
2. Bogdanova, G., T. Georgieva, Finding the Error-Correcting Functional Dependency by Using the Fractal Dimension, In Proceedings of the Fourth International Workshop on Optimal Codes and Related Topics – OC 2005, Pamporovo, 17-23.06.2005, pages 20-26.
3. G. Bogdanova, T. Todorov, New Ternary and Quaternary Equidistant Constant Weight Codes, Mathematics and Education in mathematics, Proc. of the conference of UBM, Borovec, April 6-9, (2005).
4. Bogdanova, G., T. Georgieva, Discovering the Association Rules in OLAP Data Cube with Daily Downloads of Folklore Materials, In Proceedings of the International Conference on Computer Systems and Technologies, Varna, 16-17.06.2005, pages IIIB.23-1–IIIB.23-6.
5. Bogdanova, G., T. Georgieva, Analyzing the Data in OLAP Data Cubes, In Proceedings of the Third International Conference on Information Research, Applications and Education, Varna, 27-30.06.2005, pages 33-38.
6. Galina Bogdanova, Tsvetanka Georgieva, Discovering the Error-correcting Functional Dependencies in Case of Unknown Original Dependencies, In

- Proceedings of the Thirty Five Spring Conference of the Union of Bulgarian Mathematicians, Borovets, 5-8.04.2006, pages 237-244.
7. G. Bogdanova, T. Todorov, Bounds on the Size of Equidistant codes over Alphabet of Seven Elements, Proceedings of International Congress on Mathematics, Paphos, Cyprus, pp.22, (2006).
 8. G. Bogdanova, T. Todorov, Ts. Georgieva, Development, security and analization of experimental multimedia archive, In Proc. of MASSEE International Congress on Mathematics, Paphos, Cyprus, pp.127-128, (2006).
 9. G. Bogdanova, T. Todorov, Ts. Georgieva, Algorithms for security and analyzing the experimental multimedia archive, In Proc. of the International Workshop on Algebraic and Combinatorial Coding Theory, Zvenigorod, Russia, pp.28-30, (2006).
 10. G. Bogdanova, T. Todorov, V. Zinoviev, On construction of q-ary equidistant codes, In Proc. of the International Workshop on Algebraic and Combinatorial Coding Theory, Zvenigorod, Russia, pp.31-35, (2006).
 11. G. Bogdanova, Ternary equidistant codes of length $10 < n < 16$, Proceedings of the International Workshop OCRT, White Lagoon, Bulgaria, pp.24-29, 2007.
 12. G. Bogdanova, T. Todorov, Enumeration of some optimal ternary constant-weight codes, In Proc. of the International Workshop on Algebraic and Combinatorial Coding Theory, Pamporovo, Bulgaria, (2008).
 13. G. Bogdanova, T. Todorov, Methods for equidistant code search in computer package QPlus, In Proc. of the International Workshop on Optimal Codes and Related Topics, St.Constantine and Helena, Bulgaria, June, (2009).
 14. T. Todorov, G. Bogdanova, N. Noev, Organization and Security of the Audio and Video Archive for Unique Bulgarian Bells, International Congress on Mathematics, Ohrid, pp.99, (2009).
 15. G. Bogdanova, T. Todorov, N. Noev, Digitalization and security of "Bulgarian Folklore Heritage" archive, CompSysTech '10: Proceedings of the 11th International Conference on Computer Systems and Technologies and Workshop for PhD Students in Computing on International Conference on Computer Systems and Technologie, Sofia, Bulgaria, June 17-18 2010, vol. 471, pp. 335-340, (2010) ISBN 978-1-4503-0243-2.
 16. G. Bogdanova, T. Todorov, N. Noev, Signing individual fragments of an RDF graph of unique Bulgarian bells, International Workshop on Algebraic and Combinatorial Coding Theory, Novosibirsk, Russia, ISBN 978-5-86134-174-5, pp. 47-52 (2010).

1.1.11. Доклад публикуван в сборник трудове от национална конференция

1. Галина Богданова, Тихомир Трифонов, Тодор Тодоров, Цветанка Георгиева, Анализирани и защита на аудио и видео архив на уникални български камбани, Научна конференция "Европа като културно пространство", Благоевград, 2007.
2. Тихомир Трифонов, Георги Димков, Галина Богданова, Проучване и паспортизация на уникални камбани от историческото и културно наследство на България и създаване на аудио и видео архив с помощта на съвременни технологии, Шеста национална научна конференция "Библиотеки - четене - комуникации", 15-16.11.2007.
3. Г. Богданова, Г. Захариев, Стеганографски методи за вграждане на информация в MP3 аудио файл, Нови предизвикателства в технологиите

за програмиране, компютърните алгоритми и обучението във висшите училища, свързано с тях, Априлци, 11-13 юни, 2009 (под печат)

4. Г. Богданова, Ст. Тодоров, Информационна система за научни публикации по тематични рубрики, Нови предизвикателства в технологиите за програмиране, компютърните алгоритми и обучението във висшите училища, свързано с тях, Априлци, 11-13 юни, 2009 (под печат)

Bogdanova, G., T. Georgieva, Discovering the Partial Dependencies in Random Databases, In Proceedings of the National Workshop on Coding Theory and Applications, Bankya, 2005, page 6.

Galina Bogdanova, Todor Todorov, Tsvetanka Georgieva, Development, Analization and Security of Multimedia Archive of Folklore Objects, In Proceedings of the National Workshop on Coding Theory and Applications, Bankya, 15-18.12, 2005, page 7.

Galina Bogdanova, Tihomir Trifonov, Todor Todorov, Tsvetanka Georgieva, Methods for Investigation and Security of the Audio and Video Archive for Unique Bulgarian Bells, In Proceedings of the National Workshop on Coding Theory and Applications, Blagoevgrad, 1-3.12.2006, page 5.

1.2. Цитирания без автоцитирания

1.2.1. Цитирания в международни издания (вкл. патент)

Общо: 76 бр.

G.T. Bogdanova, A.E. Brouwer, S.A. Kapralov and P.R.J. Ostergard, Error-correcting codes over an alphabet of four elements, Designs Codes Cryptography 23 (2001), pp. 333–342.

Cited By in Scopus (25)

1. Ge, G., Wu, D. Some new optimal quaternary constant weight codes (2005) Science in China, Series F: Information Sciences, 48 (2), pp. 192-200.
2. Quistorff, J. New upper bounds on enomoto-katona's coding type problem (2005) Studia Scientiarum Mathematicarum Hungarica, 42 (1), pp. 61-72.
3. Philippe Gaborit, Oliver D. King, Linear constructions for DNA codes, Theoretical Computer Science, Volume 334, Issues 1-3, 15 April 2005, Pages 99-113, ISSN 0304-3975
4. Ding and J. Yin, "Combinatorial Constructions of Optimal Constant-Composition Codes", IEEE Trans. Info. Theory., 51, 2005, 3671–3674.
5. Dan C. Tulpan, Effective Heuristic Methods for DNA Strand Design, by B.Sc., POLITEHNICA University of Bucharest, October 2006
6. Gijswijt, D., Schrijver, A., & Tanaka, H. (2006). New upper bounds for nonbinary codes based on the terwilliger algebra and semidefinite programming. Journal of Combinatorial Theory. Series A, 113(8), 1719-173
7. Ding, C., Yin, J. A construction of optimal constant composition codes (2006) Designs, Codes, and Cryptography, 40 (2), pp. 157-165
8. Quistorff, J. New upper bounds on Lee codes (2006) Discrete Applied Mathematics, 154 (10), pp. 1510-1521.
9. Quistorff, J. A survey on packing and covering problems in the hamming permutation space (2006) Electronic Journal of Combinatorics, 13 (1), pp. 1-13
10. Barahona da Fonseca, J. Code design as an optimization problem: From mixed integer programming to a high performance randomized algorithm and from this one to an improved genetic algorithm (2006) WSEAS Transactions on Information Science and Applications, 3 (3), pp. 629-635.
11. Barahona da Fonseca, J. Code design as an optimization problem: from mixed integer programming to an improved high performance Randomized GRASP like algorithm (2007) Computer Aided Chemical Engineering, 24, pp. 279-284.
12. Barahona Da Fonseca, J. Code design as an optimization problem: From mixed integer programming to an improved high performance Randomized GRASP like algorithm and from this one to an improved genetic algorithm (2007) CIMCA 2006: International Conference on Computational Intelligence for Modelling, Control and Automation, Jointly with IAWTIC 2006: International Conference on Intelligent Agents Web Technologies, art. no. 4052802,
13. K. Sinha, Z. Wang, D. Wu, Good equidistant codes constructed from certain combinatorial designs, Discrete Mathematics, Volume 308, Issue 18, 28 September 2008, Pages 4205-4211, ISSN 0012-365X, DOI: 10.1016/j.disc.2007.08.022.

14. Zhang, Q., Wang, B., Zhang, R., Xu, C.-X. Genetic algorithm-based design for DNA sequences sets (2008) *Jisuanji Xuebao/Chinese Journal of Computers*, 31 (12), pp. 2193-2199.
15. K. Sinha, Z. Wang, D. Wu, Good equidistant codes constructed from certain combinatorial designs, *Discrete Mathematics*, Volume 308, Issue 18, 28 September 2008, Pages 4205-4211, ISSN 0012-365X, DOI: 10.1016/j.disc.2007.08.022.
16. Wang, C., Yan, J. Bounds and constructions on optimal constant composition codes (2009) *Proceedings of the 2009 2nd International Congress on Image and Signal Processing, CISP'09*, art. no. 5300948,
17. Wang, B., Zhang, Q., Wei, X. On the lower bounds of DNA word sets for DNA computing (2009) *BIC-TA 2009 - Proceedings, 2009 4th International Conference on Bio-Inspired Computing: Theories and Applications*, art. no. 5338069, pp. 384-388.
18. Zhang, Q., Wang, B. Designing DNA sequences satisfying combinatorial constraints, (2010) *Journal of Computational and Theoretical Nanoscience*, 7 (6), pp. 1120-1126.

M.Svanstrom, P.R.J. Ostergard and G.T. Bogdanova, Bounds and Constructions for Ternary Constant-Composition Codes, IEEE Trans. Inform. Theory, vol 48, N 1, pp. 101-111, 2002.

Cited By in Scopus (26)

19. C. Ding and J. Yin, Algebraic and constructions of constant composition codes, *IEEE Trans. Information Theory*, vol. 51, no. 4, 2005, pp. 1585–1589.
20. Ding, C., Yuan, J. A family of optimal constant-composition codes (2005) *IEEE Transactions on Information Theory*, 51 (10), pp. 3668-3671.
21. Ding, C., Yin, J. Combinatorial constructions of optimal constant-composition codes (2005) *IEEE Transactions on Information Theory*, 51 (10), pp. 3671-3674.
22. W. Chu, C.J. Colbourn and P. Dukes, Tables for constant composition codes, *J. Combin. Math. Combin. Comput.* 54 (2005), pp. 57–65.
23. Ge, G., Wu, D. Some new optimal quaternary constant weight codes (2005) *Science in China, Series F: Information Sciences*, 48 (2), pp. 192-200.
24. Ding, C., Yin, J., A construction of optimal constant composition codes, (2006) *Designs, Codes, and Cryptography*, 40 (2), pp. 157-165.
25. Chu, W., Colbourn, C.J., Dukes, P. On constant composition codes (2006) *Discrete Applied Mathematics*, 154 (6), pp. 912-929.
26. Milenkovic, O., Kashyap, N., On the design of codes for DNA computing, (2006) *Lecture Notes in Computer Science (including subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics)*, 3969 LNCS, pp. 100-119
27. Chee, Y.M., Ling, A.C.H., Ling, S., Shen, H., The PBD-closure of constant-composition codes, (2007) *IEEE Transactions on Information Theory*, 53 (8), pp. 2685-2692.
28. Dukes, P.J., Syrotiuk, V.R., Colbourn, C.J., Ternary schedules for energy-limited sensor networks (2007) *IEEE Transactions on Information Theory*, 53 (8), pp. 2791-2798.
29. Chee, Y.M., Ge, G., Ling, A.C.H., Group divisible codes and their application in the construction of optimal constant-composition codes of

- weight three (2008) IEEE Transactions on Information Theory, 54 (8), pp. 3552-3564,
30. Yan, J., Yin, J., Constructions of optimal GDRP($n, \lambda ; v$)'s of type $\lambda 1 \mu - 1$ (2008) Discrete Applied Mathematics, 156 (14), pp. 2666-2678.
 31. Ge, G., Construction of optimal ternary constant weight codes via Bhaskar Rao designs (2008) Discrete Mathematics, 308 (13), pp. 2704-2708.
 32. Yin, J., Tang, Y., A new combinatorial approach to the construction of constant composition codes (2008) Science in China, Series A: Mathematics, 51 (3), pp. 416-426.
 33. Ding, Y., A construction for constant-composition codes, (2008) IEEE Transactions on Information Theory, 54 (8), pp. 3738-3741.
 34. Ding, C., Optimal constant composition codes from zero-difference balanced functions, (2008) IEEE Transactions on Information Theory, 54 (12), pp. 5766-5770
 35. Li, C., Li, Q., Ling, S., On the constructions of constant-composition codes from perfect nonlinear functions, (2009) Science in China, Series F: Information Sciences, 52 (6), pp. 964-97
 36. Luo, J., Tang, Y., A new class of constant composition codes (2009) Proceedings of the 4th International Workshop on Signal Design and Its Applications in Communications, IWSDA'09, art. no. 5346413, pp. 138-140.
 37. Wang, C., Yan, J., Bounds and constructions on optimal constant composition codes, (2009) Proceedings of the 2009 2nd International Congress on Image and Signal Processing, CISP'09, art. no. 5300948 , <http://www.scopus.com/inward/record.url?eid=2-s2.0-73849095078&partnerID=40&md5=2900fab76572cad8451d3a0a83bb1fa0>
 38. Chee, Y.M., Dau, S.H., Ling, A.C.H., Ling, S. Linear size optimal q -ary constant-weight codes and constant-composition codes (2010) IEEE Transactions on Information Theory, 56 (1), art. no. 5361462, pp. 140-151.
 39. Zhang, H., Ge, G., Optimal ternary constant-weight codes of weight four and distance six (2010) IEEE Transactions on Information Theory, 56 (5), art. no. 14, pp. 2188-2203
 40. Zhang, H., Ge, G. Completely reducible super-simple designs with block size four and related super-simple packings (2010) Designs, Codes, and Cryptography, pp. 1-26. Article in Press.

G.T.Bogdanova and S.N.Kapralov, Enumeration of optimal ternary constant-composition codes, Problems of Information Transmission, vol. 39, no. 4, pp. 346-351, 2003.

Cited By in Scopus (8)

41. C. Ding and J. Yin, Algebraic and constructions of constant composition codes, IEEE Trans. Information Theory, vol. 51, no. 4, 2005, pp. 1585–1589.
42. Ding Cunsheng, Yin Jianxing, “Combinatorial constructions of optimal constant-composition codes”, IEEE Trans. Inform. Theory, 51:10 (2005), 3671–3674
43. Chee Yeow Meng, Ling A.C.H., Ling San, Shen Hao, “The PBD-closure of constant-composition codes”, IEEE Trans. Inform. Theory, 53:8 (2007), 2685–2692
44. Ding Cunsheng, “Optimal constant composition codes from zero-difference balanced functions”, IEEE Trans. Inform. Theory, 54:12 (2008), 5766–5770

45. Chee Yeow Meng, Ge Gennian, Ling A.C.H., "Group divisible codes and their application in the construction of optimal constant-composition codes of weight three", *IEEE Trans. Inform. Theory*, 54:8 (2008), 3552–3564
46. Li Chao, Li Qiang, Ling San, "On the constructions of constant-composition codes from perfect nonlinear functions", *Sci. China Ser. F*, 52:6 (2009), 964–973
47. Wang, C., Yan, J., Bounds and constructions on optimal constant composition codes, *Proceedings of the 2009 2nd International Congress on Image and Signal Processing, CISP'09*, art. no. 5300948, 2009
48. Chee Yeow Meng, Dau Son Hoang, Ling A.C.H., Ling San, "Linear size optimal q -ary constant-weight codes and constant-composition codes", *IEEE Trans. Inform. Theory*, 56:1 (2010), 140–151

G.T.Bogdanova, P.R.J.Ostergard, Bounds on Codes over an Alphabet of Five Elements, *Discrete Mathematics*, Vol.240, 1-3, pp. 13-19, 2001.

Cited By in Scopus (6)

49. Jörn Quistorff, New upper bounds on Lee codes, *Discrete Applied Mathematics*, Volume 154, Issue 10, 15 June 2006, Pages 1510-1521. accepted 10 January 2006. Available online 31 March 2006.
50. Quistorff, J. (2006). A survey on packing and covering problems in the hamming permutation space. *Electronic Journal of Combinatorics*, 13(1), 1-13.
51. Gijswijt, D., Schrijver, A., & Tanaka, H. (2006). New upper bounds for nonbinary codes based on the terwilliger algebra and semidefinite programming. *Journal of Combinatorial Theory. Series A*, 113(8), 1719-1731.
52. Smith, D. H., Hughes, L. A., & Perkins, S. (2006). A new table of constant weight codes of length greater than 28. *Electronic Journal of Combinatorics*, 13(1), 1-18.
53. Andries Brouwer, Small 5-ary codes, Table of general 5-ary codes, <http://www.win.tue.nl/~aeb/codes/5ary.html>, v1.2, 2007-08-30 (2007)

Galina Bogdanova, Tsvetanka Georgieva, Using Error-correcting Dependencies for Collaborative Filtering, *Data and Knowledge Engineering*, Elsevier, vol. 66, № 3, 2008, pages 402-413, <http://dx.doi.org/10.1016/j.datak.2008.04.008> (Impact factor for 2008 year: 1.480)

Cited By in Scopus (2)

54. Sven Hartmann, Sebastian Link, Thu Trinh, Constraint acquisition for Entity-Relationship models, *Data and Knowledge Engineering*, Elsevier, vol. 68, № 10, 2009, pages 1128-1155.

G. Bogdanova, T. Todorov, V. Zinoviev, On construction of q -ary equidistant codes, *Problems of Information Transmission*, vol. 43, pp.13-36, (2007).

55. K. Sinha, Z. Wang, D. Wu, Good equidistant codes constructed from certain combinatorial designs, *Discrete Mathematics*, Volume 308, Issue 18, 28 September 2008, Pages 4205-4211, ISSN 0012-365X, DOI: 10.1016/j.disc.2007.08.022.
56. D. Kovalevskaya, Metrical rigidity of some q -ary codes, *International Workshop on Algebraic and Combinatorial Coding Theory*, Novosibirsk, Russia, pp. 189-194 (2010).

G. Bogdanova, R. Pavlov, G. Todorov, V. Mateeva, Knowledge Technologies for Creation of Digital Presentation and Significant Repositories of Folklore Heritage, Advanced in Bulgarian Science, Sofia, vol. 3, 2006, pages 7-15.

57. Paneva, D., K. Rangochev, D. Luchev (2007), Knowledge Technologies for Description of the Semantics of the Bulgarian Folklore Heritage, In the Proceedings of the Fifth International Conference "Information Research and Applications" – i.Tech 2007 (ITA 2007 - Xth Joint International Scientific Events on Informatics), 26 June – 01 July, 2007, Varna, Bulgaria, vol. 1, pp. 19-25.
58. Paneva, D., K. Rangochev, D. Luchev (2007). Ontological Model of the Knowledge in Folklore Digital Library, In the Proceedings of the Fifth HUBUSKA Open Workshop „Knowledge Technologies and Applications”, 31 May - 1 June, 2007, Kosice, Slovakia, pp. 47-55, ISBN: 978 80 969148 8 3.
59. Rangochev, K., D. Paneva, D. Luchev (2007). Bulgarian Folklore Digital Library, In the Proceedings of the Jubilee International Conference on Mathematical and Computational Linguistics „30 years Department of Mathematical Linguistics”, 6 July, 2007, Sofia, Bulgaria, pp. 119-124, ISBN: 978-954-8986-28-1.
60. N. Noev, Organization and Security of the Archive for Unique Bulgarian Bells, Proceedings of the TEMPUS Project SEE Doctoral Studies in Mathematical Sciences (144703-TEMPUS-2008-BA-TEMPUS-JPCR), Ohrid, (2010);
61. Luchev, D., D. Paneva, K. Rangochev (2008). Use of Knowledge Technologies for Presentation of Bulgarian Folklore Heritage Semantics, International Journal „Information Technologies and Knowledge”, 2008, vol. 2, № 4, pp. 307-313, ISSN: 1313-0455.
62. N. Noev, Organization and Security of the Audio and Video Archive for Unique Bulgarian Bells, Mathematica Balkanica, NewSeries Vol. 24, 2010, Fasc.3-4, pp. 285-291, (2010) ISSN 0205-3217.

St. Kapralov, Pl. Christov and G. Bogdanova, The New Version of QLC - a Computer Program for Linear Codes Studying, Proc. of the International Workshop on Optimal Codes and Related Topics, Sozopol, Bulgaria, pp.11-14, 1995. 15--20.

63. Iliya G. Bouyukliev, WHAT IS Q-EXTENSION?, Serdica J. Computing 1 (2007), pp. 115-130.
64. Iliya Bouyukliev, Valentin Bakoev, A method for efficiently computing the number of codewords of fixed weights in linear codes, Discrete Applied Mathematics, Volume 156, Issue 15, 6 August 2008, Pages 2986-3004, ISSN 0166-218X, DOI: 10.1016/j.dam.2008.01.003.
65. Iliya Bouyukliev, Venelin Monev, Experimental results for two implementations of a probabilistic algorithm for minimum distance of linear codes, June 2010, CompSysTech '10: Proceedings of the 11th International Conference on Computer Systems and, Sofia, Bulgaria — June 17 - 18, 2010, Pages: 281-286 ISBN 978-1-4503-0243-2

G. Bogdanova, S. Kapralov, On the Construction of q-ary gray codes and their applications, in: Proc. of VII Intern. Workshop on Algebraic and Combinatorial Coding Theory, June 18–24 (2000), Bansko, Bulgaria, pp. 78–83.

66. I. Bouyukliev, V. Bakoev, Algorithms for computing the number of

codewords of fixed weight in linear codes, International Workshop OCRT, Pamporovo, Bulgaria, 2005, pp. 36-41.

67. Iliya Bouyukliev, Valentin Bakoev, A method for efficiently computing the number of codewords of fixed weights in linear codes, Discrete Applied Mathematics, Volume 156, Issue 15, 6 August 2008, Pages 2986-3004, ISSN 0166-218X, DOI: 10.1016/j.dam.2008.01.003.

G. Bogdanova, "New bounds for the maximum size of ternary constant weight codes," Serdica Math. J., vol. 26, no. 1, pp. 5–12, 2000. ISSN: 1310-6600

68. Chee, Y.M., Ling, S. Constructions for q-ary constant-weight codes (2007) IEEE Transactions on Information Theory, 53 (1), pp. 135-146.
69. YM Chee, SH Dau, ACH Ling, S Ling, The Sizes of Optimal q-Ary Codes of Weight Three and Distance Four: A Complete Solution, IEEE Transactions on Information, vol. 54, no. 3, pp. 1291-1295, 2008.
70. Zhang, H., Ge, G., Optimal ternary constant-weight codes of weight four and distance six (2010) IEEE Transactions on Information Theory, 56 (5), art. no. 14, pp. 2188-2203

G. Bogdanova, Ternary Equidistant Codes and Maximum Clique Problem, Proceedings of the EWM International Workshop on Groups and Graphs, Varna, September, 2002, pp.15-18.

71. P. R. J. Östergård: Constructing combinatorial objects via cliques, in: Surveys in Combinatorics 2005, B. S. Webb (Editor), Cambridge University Press, Cambridge, 2005, pp. 57-82.

G. Bogdanova, Tsv. Georgieva, Discovering the Association Rules in OLAP Data Cube with Daily Downloads of Folklore Materials, In Proceedings of the International Conference on Computer Systems and Technologies, Varna, 2005, pages IIIB.23-1–IIIB.23-6.

72. Michel ElRahi, Construction d'un opérateur de détection de régions intéressantes dans un cube de données, Institut National des Sciences Appliquées de Lyon (INSA Lyon), Juin 2006. (<http://eric.univ-lyon2.fr/publications/files/memoire-elrahi-2006.pdf>)
73. Xie Qiang, Yu Ya-li, Ding Qiu-ling, Web-OLAP System Based on Object Pool and Data Caching, Journal of Applied Sciences, China, Vol.25, No.2, 2007, pages 161-165. (<http://gz.wanfangdata.com.cn:90/med/periodical/periodical.Articles/yykxxb/yykx2007/0702/070210.htm>)
74. Xie Qi, Zhang Zhenxing, Apriori Algorithm for OLAP-based Association Rules Mining and Model Design, Journal of Computer Applications, China, Vol.27, No.z1, 2007, pages 4-9. (<http://gz.wanfangdata.com.cn:90/med/periodical/periodical.articles/jsjyy/jsjy2007/07z1/07z102.htm>)
75. Zheng Xiao-xi, Wang Yin-hui, Song Hao-yuan, Association Rules Mining and Implementation Based on Data Cube, Computer and Modernization, China, No.3, 2008, pages 25-28.

1.2.2. Цитирания в национални издания (вкл. патент)

Bogdanova, G., Todorov, Ts., Georgieva, Ts., New approaches for development, analyzing and security of multimedia archive of folklore objects. Computer Science Journal of Moldova, vol. 16, 2(47), pp. 183-208 (2008).

1. Н.Г.Ноев, Г.Х.Христов, И.С.Станчев, Експериментален специализиран честотен речник, Информационна система за научни публикации по тематични рубрики, Нови предизвикателства в технологиите за програмиране, компютърните алгоритми и обучението във висшите училища, свързано с тях, Априлци, 11-13 юни, 2009 (под печат)
2. Ваня Матеева. Дигитален архив „Българско фолклорно наследство”: фолклористични изследвания. - сп. Български фолклор (ISSN 0323-9861), кн. 3/2010 г. - „Дигитален архив и фолклорно наследство” (под печат)

G. Bogdanova, Tsv. Georgieva, Discovering the Association Rules in OLAP Data Cube with Daily Downloads of Folklore Materials, In Proceedings of the International Conference on Computer Systems and Technologies, Varna, 2005, pages IIIB.23-1–IIIB.23-6.

3. Ваня Матеева. Дигитален архив „Българско фолклорно наследство”: фолклористични изследвания. - сп. Български фолклор (ISSN 0323-9861), кн. 3/2010 г. - „Дигитален архив и фолклорно наследство” (под печат)

Bogdanova, Galina, Todorov, Todor and Georgieva, Tsvetanka, Algorithms for security and analization of experimetal multimedia archive, Math. Balkanica (N.S.) 21 (2007), no. 3-4, 225-332

4. Ваня Матеева. Дигитален архив „Българско фолклорно наследство”: фолклористични изследвания. - сп. Български фолклор (ISSN 0323-9861), кн. 3/2010 г. - „Дигитален архив и фолклорно наследство” (под печат)

G. Bogdanova, T. Todorov, D. Blagoev, M. Todorova, Use of Dynamic Technologies for WEB-enabled Database Management Systems, International Journal Information Technologies and Knowledge, vol. 1, Number 4, 2007, pp. 335-340.

5. Ваня Матеева. Дигитален архив „Българско фолклорно наследство”: фолклористични изследвания. - сп. Български фолклор (ISSN 0323-9861), кн. 3/2010 г. - „Дигитален архив и фолклорно наследство” (под печат)
6. Камен Симеонов, Тихомир Трифонов, Иван Симеонов, Измерване и паспортизация на уникални български камбани, VIII Национална научно-практическа конференция по метрология, 2008.
7. Н.Г.Ноев, Г.Х.Христов, И.С.Станчев, Експериментален специализиран честотен речник, Информационна система за научни публикации по тематични рубрики, Нови предизвикателства в технологиите за програмиране, компютърните алгоритми и обучението във висшите училища, свързано с тях, Априлци, 11-13 юни, 2009 (под печат)

G. Bogdanova, Tsv. Georgieva, Discovering the Association Rules in OLAP Data Cube with Daily Downloads of Folklore Materials, In Proceedings of the International Conference on Computer Systems and Technologies, Varna, 2005, pages IIIB.23-1–IIIB.23-6.

8. Ваня Матеева. Дигитален архив „Българско фолклорно наследство”: фолклористични изследвания. - сп. Български фолклор (ISSN 0323-9861), кн. 3/2010 г. - „Дигитален архив и фолклорно наследство” (под печат)

1.2.3. Цитирания в дисертации (без автореферати)

Общо: 15 бр.

G.T.Bogdanova, A.E.Brouwer, S.N.Kapralov and P.R.J.Ostergard, Error-correcting Codes an Alphabet of Four Elements, Designs, Codes and Cryptography, pp. 333-342, 2001.

1. P. Kaski, "Algorithms for classification of combinatorial objects", Dissertation for the degree of Doctor of Science in Technology, Helsinki University of Technology, Dept of Computer Science and Engineering, 2005.
2. Dan C. Tulpan, Effective Heuristic Methods for DNA Strand Design, by B.Sc., POLITEHNICA University of Bucharest, A THESIS October 2006

M. Svanstrom M., P.R.J. Ostergard, G.T. Bogdanova, Bounds and Constructions for Ternary Constant-Composition Codes, IEEE Transaction on Information Theory, vol. 48, 1, 2002, pp. 101-111.

3. T. Todorov, Equidistant codes. Data security with digital watermark, PhD Thesis, Sofia, 2009 (in bulgarian).

G. Bogdanova, S. Kapralov, Enumeration of optimal ternary constant-composition codes, Problems of Information Transmission, vol. 39, 4, 2003, pp. 346-351.

4. T. Todorov, Equidistant codes. Data security with digital watermark, PhD Thesis, Sofia, 2009 (in bulgarian).

G.Bogdanova and I.Boukliev, New linear codes of dimension 5 over GF(3), Proc. of the International Workshop on Algebraic and Combinatorial Coding Theory, Novgorod, Russia, September 11-17, pp. 41-43, 1994.

5. R. Daskalov, Optimal linear codes over small finite fields, Dsc Thesis, University of Gabrovo, 2006.

Ts. Baicheva, G. Bogdanova, S. Ilieva, Sv. Topalova, Object-oriented C++ library for computations in and over \mathbb{F}_2 of characteristic 2, In Proceedings of the 108 International Scientific Conference Mathematics and Education in mathematics, Stara Zagora, April 1-4, 1994, pp. 227-230.

6. T. Todorov, Equidistant codes. Data security with digital watermark, PhD Thesis, Sofia, 2009 (in bulgarian).

G. Bogdanova, Ternary Equidistant Codes and Maximum Clique Problem, In Proceedings of European Women in Mathematics International Workshop on Groups and Graphs, Varna, Bulgaria. August 31 - September 6, 2002, pp. 15-18.

7. T. Todorov, Equidistant codes. Data security with digital watermark, PhD Thesis, Sofia, 2009 (in bulgarian).

S. Kapralov, P. Christov, G. Bogdanova, The New Version of QLC - a Computer Program for Linear Codes Studying, In Proceedings of the International Workshop on Optimal Codes and Related Topics, Sozopol, Bulgaria, 1995, pp. 11-14.

8. Илия Георгиев Буюклиев, Алгоритмични подходи за изследване на линейни кодове, дисертация за присъждане на научната степен "доктор на математическите науки" по научна специалност 01.01.12 – информатика, София, 2008.

9. R. Daskalov, Optimal linear codes over small finite fields, Dsc Thesis, University of Gabrovo, 2006.
10. Z. Varbanov, Construction and classification of linear and additive codes, PhD Thesis, University of Veliko Tarnovo, 2008.
11. T. Todorov, Equidistant codes. Data security with digital watermark, PhD Thesis, Sofia, 2009 (in bulgarian).

G. Bogdanova, S. Kapralov, V. Todorov, T. Parvanov, QPlus - A Computer Package for Coding Theory Research, In Proceedings of the International Scienti_c Conference Mathematics and Education in mathematics, April, 2003, pp. 233-238.

12. T. Todorov, Equidistant codes. Data security with digital watermark, PhD Thesis, Sofia, 2009 (in bulgarian).

G. Bogdanova, S. Kapralov, On the Construction of q-ary gray codes and their applications, in: Proc. of VII Intern. Workshop on Algebraic and Combinatorial Coding Theory, June 18–24 (2000), Bansko, Bulgaria, pp. 78–83.

13. Илия Георгиев Буюклиев, Алгоритмични подходи за изследване на линейни кодове, дисертация за присъждане на научната степен "доктор на математическите науки" по научна специалност 01.01.12 – информатика, София, 2008.

G.T. Bogdanova, T.A. Yorgova, Bounds for Ternary Equidistant Constant Weight Codes, In Proceedings of the International Scienti_c Conference , Borovets, April 3-6, 2002, pp. 131-135.

14. T. Todorov, Equidistant codes. Data security with digital watermark, PhD Thesis, Sofia, 2009 (in bulgarian).

G. Bogdanova, T. Yorgova, Bounds for Quaternary Equidistant Constant Weight Codes, In Proceedings of the Tenth International Workshop on Algebraic and Combinatorial Coding Theory, Tsarskoe selo, Russia, September 7-14, 2002, pp. 46-49.

15. T. Todorov, Equidistant codes. Data security with digital watermark, PhD Thesis, Sofia, 2009 (in bulgarian).

1.3. Научни форуми (конференция/конгрес)

1.3.2. Доклад на международен форум

1. G. Bogdanova, T. Todorov, Bounds on the size of equidistant codes over alphabet of five and six elements, In Proc. of the Fourth International Workshop on Optimal Codes and Related Topics, (2005).
2. Bogdanova, G., T. Georgieva, Finding the Error-Correcting Functional Dependency by Using the Fractal Dimension, In Proceedings of the Fourth International Workshop on Optimal Codes and Related Topics – OC 2005, Pamporovo, 17-23.06.2005, pages 20-26.
3. Bogdanova, G., T. Georgieva, Discovering the Association Rules in OLAP Data Cube with Daily Downloads of Folklore Materials, In Proceedings of the International Conference on Computer Systems and Technologies, Varna, 16-17.06.2005, pages IIIB.23-1–IIIB.23-6.
4. G. Bogdanova, T. Todorov, New Ternary and Quaternary Equidistant Constant Weight Codes, Mathematics and Education in mathematics, Proc. of the conference of UBM, Borovec, April 6-9, (2005).

5. Bogdanova, G., T. Georgieva, Analyzing the Data in OLAP Data Cubes, In Proceedings of the Third International Conference on Information Research, Applications and Education, Varna, 27-30.06.2005, pages 33-38.
6. Galina Bogdanova, Tsvetanka Georgieva, Discovering the Error-correcting Functional Dependencies in Case of Unknown Original Dependencies, In Proceedings of the Thirty Five Spring Conference of the Union of Bulgarian Mathematicians, Borovets, 5-8.04.2006, pages 237-244.
7. G. Bogdanova, T. Todorov, Bounds on the Size of Equidistant codes over Alphabet of Seven Elements, Proceedings of MASSEE International Congress on Mathematics, Paphos, Cyprus, pp.22, (2006).
8. G. Bogdanova, T. Todorov, Ts. Georgieva, Development, security and analization of experimental multimedia archive, In Proc. of MASSEE International Congress on Mathematics, Paphos, Cyprus, pp.127-128, (2006).
9. G. Bogdanova, T. Todorov, Ts. Georgieva, Algorithms for security and analyzing the experimental multimedia archive, In Proc. of the International Workshop on Algebraic and Combinatorial Coding Theory, Zvenigorod, Russia, pp.28-30, (2006).
10. G. Bogdanova, T. Todorov, V. Zinoviev, On construction of q-ary equidistant codes, In Proc. of the International Workshop on Algebraic and Combinatorial Coding Theory, Zvenigorod, Russia, pp.31-35, (2006).
11. G. Bogdanova, Ternary equidistant codes of length $10 < n < 16$, Proceedings of the International Workshop OCRT, White Lagoon, Bulgaria, pp.24-29, 2007.
12. G. Bogdanova, T. Todorov, Enumeration of some optimal ternary constant-weight codes, In Proc. of the International Workshop on Algebraic and Combinatorial Coding Theory, Pamporovo, Bulgaria, (2008).
13. G. Bogdanova, T. Todorov, Methods for equidistant code search in computer package QPlus, In Proc. of the International Workshop on Optimal Codes and Related Topics, St.Constantine and Helena, Bulgaria, June, (2009).
14. T. Todorov, G. Bogdanova, N. Noev, Organization and Security of the Audio and Video Archive for Unique Bulgarian Bells, MASSEE International Congress on Mathematics, Ohrid, pp.99, (2009).
15. G. Bogdanova, T. Todorov, N. Noev, Digitalization and security of "Bulgarian Folklore Heritage" archive, CompSysTech, ACM International Conference Proceeding Series (ICPS) vol. 471, pp. 335-340, (2010) .
16. G. Bogdanova, T. Todorov, N. Noev, Signing individual fragments of an RDF graph of unique Bulgarian bells, International Workshop on Algebraic and Combinatorial Coding Theory, Novosibirsk, Russia, (2010).

1.3.5. Доклад на национален форум с чуждестранно участие

1. Bogdanova, G., T. Georgieva, Discovering the Partial Dependencies in Random Databases, In Proceedings of the National Workshop on Coding Theory and Applications, Bankya, 2005, page 6.
2. Galina Bogdanova, Todor Todorov, Tsvetanka Georgieva, Development, Analization and Security of Multimedia Archive of Folklore Objects, In Proceedings of the National Workshop on Coding Theory and Applications, Bankya, 15-18.12, 2005, page 7.
3. Galina Bogdanova, Tihomir Trifonov, Todor Todorov, Tsvetanka Georgieva, Methods for Investigation and Security of the Audio and Video Archive for

Unique Bulgarian Bells, In Proceedings of the National Workshop on Coding Theory and Applications, Blagoevgrad, 1-3.12.2006, page 5.

4. Галина Богданова, Тихомир Трифонов, Тодор Тодоров, Цветанка Георгиева, Анализирани и защита на аудио и видео архив на уникални български камбани, Научна конференция "Европа като културно пространство", Благоевград, 2007.

1.3.8. Доклад на национален форум

1. Тихомир Трифонов, Георги Димков, Галина Богданова, Проучване и паспортизация на уникални камбани от историческото и културно наследство на България и създаване на аудио и видео архив с помощта на съвременни технологии, Шеста национална научна конференция "Библиотеки - четене - комуникации" със Фото Пленер „Възрожденски звън“, 15-16.11.2007.
2. Г.Богданова, Т. Тодоров, В. Ваврек, Паспортизация и създаване на архив на уникални камбани от историческото и културно наследство на България, В. Търново, доклад-презентация на VI национална научна конференция "Библиотеки - четене - комуникации" с Фото пленер „Възрожденски звън“, 15-16.11.2007 (2007)
3. G. Bogdanova, T. Todorov, Ts. Georgieva, Veselin Vavrek, Security and analization of multimedia archive, In Proceedings of the National Workshop on Coding Theory and Applications, Borovec, 17-18.11.2007.
4. G. Bogdanova, M. Stefanova, «Application of Semantic web in structuring and extracting information from a digital archive», Национален семинар по Теория на кодирането, Велико Търново, 11-14 декември 2008 г.
5. Г. Богданова, Г. Захариев, Стеганографски методи за вграждане на информация в MP3 аудио файл, Нови предизвикателства в технологиите за програмиране, компютърните алгоритми и обучението във висшите училища, свързано с тях, Априлци, 11-13 юни, 2009 (под печат)
6. Г. Богданова, Ст. Тодоров, Информационна система за научни публикации по тематични рубрики, Нови предизвикателства в технологиите за програмиране, компютърните алгоритми и обучението във висшите училища, свързано с тях, Априлци, 11-13 юни, 2009 (под печат)

1.3.10. Доклад на семинар у нас

1. Г.Богданова, «Фолклорни обекти. Дигитализация на множество фолклорни обекти и колекции – аудио, видео, фото, текст» (30.05.- 2.06. 2006, Творчески дом на БАН – Витоша); семинар „Фолклорни обекти за фонд „Българско фолклорно наследство“.
2. Г.Богданова, „Експериментален дигитален архив на автентични фолклорни материали“, АРСИКТ, София, 07.2006г.
3. Г.Богданова, «Стандарти за дигитализация на фолклорни обекти», Семинар „Създаване и експониране на Фонд БФН“, финансиран по Национална програма ИО-03, (17.02.2008 г., София, Институт за фолклор при БАН).
4. Г.Богданова, «Метаданни на фолклорните обекти. Изисквания и особености при дигитализацията на фото и видео обекти», Семинар „Създаване и

експониране на Фонд БФН», финансиран по Национална програма ИО-03, (14-15.04.2008 г., София, Институт за фолклор при БАН).

5. Г.Богданова, «Фолклорни обекти, колекции и защита на данните», „Създаване и експониране на Фонд БФН” в Институт за Фолклор, от Национална програма ИО-03, (16-17.04. 2009, София – Институт за фолклор при БАН).
6. Г.Богданова, „Дигитален архив и фолклорно наследство – програмно осигуряване”, Семинар „Създаване и експониране на Фонд БФН”, финансиран по Национална програма ИО-03, (18-19.02.2010 г., София – Институт за фолклор при БАН).
7. «Еквидистантни кодове», ВТУ, доклад на семинар “Математически основи на информатиката” – съвместен регулярен семинар на секция МОИ на ИМИ и направление “Математика и информатика” на ВТУ (представен от Т.Тодоров) (2008).

1.3.11. Доклад (лекция) на семинар в чуждестранен университет или институт

1. „Constructions of ternary equidistant codes”, Alfréd Rényi Institute of Mathematics, Hungary (2006).
2. „Bounds, constructions and classification of optimal codes”, Pohang University of Technology, Korea, February, presented by C. Kapralov (2005)
3. „Optimal equidistant codes, Alfréd Rényi Institute of Mathematics”, Hungary, presented by Т.Тодоров (2009),
4. „Organization and Security of Archive for Unique Bulgarian Bells”, TEMPUS Project, Ohrid, Republic of Macedonia, 16-20 September 2009, presented by N. Noev (2009).