

СПИСЪК НА ЦИТИРАНИЯТА ПО ДИСЕРТАЦИЯТА

на

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T. Baicheva, S. Dodunekov and P. Kazakov, On the cyclic redundancy-check codes with 8-bit redundancy, *Computer Communications*, vol. 21 (1998) 1030–1033.

1. R. Dodunekova, *On the binomial moments of linear codes and undetected error probability*, Preprint 2002:49, Chalmers University of Technology, 14 p.
2. R. Dodunekova, The duals of MMD codes are proper for error detection. *IEEE Trans. Inform. Theory*, vol.49, No.8, 2003, pp. 2034-2038.
3. R. Dodunekova, The extended binomial moments of a linear code and the undetected error probability, *Problems of Information Transmission*, v.39, No.3, 2003, pp.255-265.
4. Q. Zhou and X. Wang, Performance analysis on extended-shortened codes. *J. of Chongqing university of posts and telecommunications (natural sciences)*, V.16, No.3, 2004, pp.115-117.
5. Q. Zhou and X. Wang, Performance analysis and study on linear extended shortened codes, *Management&control technology*, V.23, No.9, 2004, pp.64-66.
6. P. Koopman and T. Chakravarty, Cyclic Redundancy Check (CRC) Polynomial Selection for Embedded Networks, *Proc. of the International Conference on Dependable Systems and Networks*, DSN-2004, pp.145-154.
7. F. Worm, P. Ienne and P. Thiran, Soft self-synchronizing codes for self-calibrating communication, *IEEE/ACM International Conference on Computer-Aided Design, Digest of Technical Papers, ICCAD*, 2004, pp.440-447.
8. Q. Zhou, X. Wang and H. Ge, Performance analysis and study on linear extended shortened codes, *Xibei Gongye Daxue Xuebao/Journal of Northwestern Polytechnical University*, 22(5), 2004, pp.640-643.
9. E. Nikolova, *Подходящи кодове за откриване на грешки*, Дисертация за присъждане на научната степен 'Доктор', 2005.
10. R. Dodunekova, O. Rabaste and J.L.V. Páez, Error detection with a class of irreducible binary cyclic codes and their dual codes, *IEEE Trans. on Inform. Theory*, vol. 51, No. 4, pp. 1206-1209, 2005.
11. A. Youssef, *Reseau de communication a haut niveau d'integrite*, PhD Thesis No. 2292, 2005, INPT, France.
12. F. Worm, *Robust checkers for self-calibrating designs*, PhD Thesis No. 3647, 2006, Lausanne, EPFL.

13. T. C. Maxino, *The effectiveness of checksums for embedded networks*, MS Thesis, Carnegie Mellon University, Ptttsburg, USA, May, 2006.
14. Z. Zhi, J. B. Tan, H. D. Huang and F. F. Chen, Algorithms for high-speed generating CRC error detection coding in separated ultra-precision measurement, *Journal of Physics: Conference Series*, 48, pp. 228-232, 2006.
15. Файза А. Р. Салам Муджахед, *Предизвикателства към сигурността в информационна система, базирана на УЕВ технологиите*, Дисертация за присъждане на научната степен 'Доктор', ИМИ-БАН, 2007.
16. T. Klove, *Codes for error detection*, Series on Coding Theory and Cryptology, vol 2., World Scientific, 2007.
17. T. Mattes, F. Schille1, A. Mörwald, J. Pfahler and T. Honold, Safety proof of Combinations of CRC for Industrial Communication, *Journal of Applied Computer Science*, Vol. 16. No 1, 2008, pp. 15-32.
18. F. Schiller, T. Mattes, Analysis of nested CRC with additional net data by means of stochastic automata for safety-critical communication, *Proc. of IEEE International Workshop on Factory Communication Systems*, Dresden, 21-23 May 2008, Article number 4638714, Pages 295-304.
19. H. D. Wacker and J. Böresök, Binomial and monotonic behavior of the probability of undetected error and the 2-r-bound, *Journal WSEAS Transactions on Communications*, Vol. 7 Issue 3, March 2008, pp. 188-197.
20. T. Maxino and P. Koopman, The effectiveness of checksums for embedded control networks, *IEEE Trans. on Dependable and Secure computing*, vol. 6, No. 1, pp. 59-72, 2009.
21. O. Egwali Annie and V. V. N. Akwukwuma, Performance Evaluation of AN-VE: An Error Detection and Correction Code, *African Journal of Computing & ICT*, vol. 6, No 1, pp. 117-126, 2013.
22. X. Ji, G. Wang, F. Liu, RS-485 Bus Design of a Missile Simulation Training System, *Telkomnika*, Vol. 11, No. 2, 2013, pp. 291-296.

T. Baicheva, Binary and ternary linear codes which are good and proper for error correction, Proc of the International Workshop on Algebraic and Combinatorial Coding Theory, Bansko, Bulgaria (2000) 55–60.

1. E. Nikolova, *Подходящи кодове за откриване на грешки*, Дисертация за присъждане на научната степен 'Доктор', 2005.
2. R. Dodunekova, S. Dodunekov and E. Nikolova, A survey on proper codes, *Discrete Applied Mathematics*, Volume 156, Issue 9, 1 May 2008, pp. 1499-1509.

T. Baicheva, S. Dodunekov and P. Kazakov, On the Undetected Error Probability Performance of Cyclic Redundancy-Check Codes of 16-bit Redundancy, *IEEE Proc. Communications*, vol. 147, No. 5 (2000) 253 –256.

1. D. Sheinwall, J. Satran, P. Thaler, V. Cavanna, Internet Protocol Small Computer System Interface (iSCSI) Cyclic Redundancy Check (CRC) Checksum Considerations. RFC-3385, Sept. 2002, *The Internet Society*.
2. F. Zhai, I.J. Fair, Efficient cyclic redundancy checks for turbo-coding, *Proc. Wireless and optical communications*, WOC 2002, Banff, Canada, pp. 356-196.
3. R. Dodunekova, On the binomial moments of linear codes and undetected error probability, Preprint 2002:49, Chalmers University of Technology, 14 p.
4. R. Dodunekova, The duals of MMD codes are proper for error detection, *IEEE Trans. Inform. Theory*, vol.49, No.8, 2003, pp. 2034-2038.
5. R. Dodunekova, The extended binomial moments of a linear code and the undetected error probability, *Problems of Information Transmission*, v.39, No.3, 2003, pp.255-265.
6. A. Youssef, A. de Bonneval, Y. Couzet, Dependability of Communications in Critical Real-Time Control Systems, *8-th CaberNet Radicals Workshop*, Ajaccio, Corsica, 5-8 October, 2003.
7. A. Youssef, *Systeme de commande de vouldufutur: nouvelle architecture de communication*, Thesis, LAAS-CNRS, Groupe TSF 7, Toulouse, France, 2003.
8. F. Zhai and I.J. Fair, Techniques for early stopping and error detection in turbo decoding, *IEEE Transactions on Communications*, 51 (10), 2003, pp.2034-2038.
9. V. A. Khitrovskyy, Schematic and technological aspects of frequency synthesizer design for advanced radars, *Proc of Int. Crimean Conference Microwave & Telecommunication Technology*, Sevastopol, Ukraine, 2003, pp. 11-14.
10. P. Koopman, T. Chakravarty, Cyclic Redundancy Check (CRC) Polynomial Selection for Embedded Networks, *Proc. The International Conference on Dependable Systems and Networks*, DSN-2004.
11. M.M. Carvalho and J.J. Garcia-Luna-Aceves, Modeling single-hop wireless networks under Rician fading channels, *2004 IEEE Wireless Communications and Networking Conference*, WCNC 2004, 1, pp.219-224.
12. E. Nikolova, *Подходящи кодове за откриване на грешки*, Дисертация за присъждане на научната степен 'Доктор', 2005.
13. A. Youssef, *Reseau de communication a haut niveau d'integrite*, PhD Thesis No. 2292, 2005, INPT, France.

14. R. Dodunekova, O. Rabaste and J.L.V. Páez, Error detection with a class of irreducible binary cyclic codes and their dual codes, *IEEE Trans. on Inform. Theory*, vol. 51, No. 4, pp. 1206-1209, 2005.
15. J. Zhao, F. Zarkeshvari and A.H. Banihashemi, On implementation of min-sum algorithm and its modifications for decoding low-density Parity-check (LDPC) codes, *IEEE Transactions on Communications*, vol. 53, Issue 4, April 2005, pp. 549 - 554. ISSN: 0090-6778
16. T.C. Maxino, *The effectiveness of checksums for embedded networks*, MS Thesis, Carnegie Melon University, Pttsburg, USA, May, 2006.
17. S. Huettinger, Low-complexity short-length error detecting codes, *Proc. of the Internat. Workshop on Algebraic and Combinatorial Coding Theory*, Zvenigorod, Russia, pp. 118-121, 2006.
18. M.M. de Carvahlo, *Analytical modeling of medium access control protocols in wireless networks*, PhD Thesis, Univ.of California Santa Cruz, March 2006.
19. C. Nguyen and G. R. Redinbo, Detecting computer-induced errors in remote-sensing JPEG compression algorithms, *IEEE Transactions on Image Processing*, Vol. 15, Issue 7, July 2006, pp. 1728-1739. ISSN: 1057-7149
20. J. Börcsök, J. Hölzel and H. D. Wacker, Probability of Undetected Error with Redundant Data Transmission on a Binary Symmetric Channel without Memory, *Proceedings of the 6th WSEAS International Conference on Applied Computer Science*, Tenerife, Canary Islands, Spain, December 16-18, 2006, pp. 103-106.
21. Файза А. Р. Салам Муджахед, *Предизвикателства към сигурността в информационна система, базирана на УЕВ технологиите*, Дисертация за присъждане на научната степен 'Доктор', ИМИ-БАН, 2007.
22. J. Börcsök, Some Inequalities Concerning Binomial Coefficients and the Weight Distribution of Proper Linear Codes, *7th WSEAS International Conference on Applied Computer Science*, Venice, Italy, November 21-23, 2007, pp. 43-48.
23. T. Klove, *Codes for error detection*, Series on Coding Theory and Cryptology, vol 2., World Scientific, 2007.
24. Ph. Golden, H. Dedieu, K. Jacobsen, *Implementation and Applications of DSL Technology*, CRC Press, 2007.
25. H. D. Wacker and J. Boercoek, Some inequalities concerning binomial coefficients and the weight distribution of proper linear codes, *Proceedings of the 7th Conference on 7th WSEAS International Conference on Applied Computer Science - Volume 7*, Venice, Italy pp. 43-48, 2007.
26. H. D. Wacker and J. Börcsök, The probability of undetected error of some communication channels, *Risk, Reliability and Societal Safety* Aven & Vinnem (eds.), Taylor & Francis Group, London, 2007.

27. N. Kaabouch, A. Dhirde, S. Faruque, Improvement of the orthogonal code convolution capabilities using FPGA implementation, *IEEE International Conference on Electro/Information Technology*, Chicago, IL, 17-20 May 2007, pp. 337 - 341.
28. A. Wang and N. Kaabouch, FPGA based design of a novel enhanced error detection and correction technique, *IEEE International Conference on Electro/Information Technology*, Ames, IA, 18-20 May 2008, pp. 25 - 29.
29. H. D. Wacker and J. Boercsoek, Binomial and monotonic behaviour of the probability of undetected error and the 2^{-r} -bound, *WSEAS Transactions on Communications*, vol. 7, March 2008, pp. 188-197.
30. H. D. Wacker and J. Boercsoek, The Dual Distance of a CRC and Bounds on the Probability of Undetected Error, the Weight Distribution, and the Covering Radius, *WSEAS Transactions on Communications*, vol. 7, April 2008, pp. 188-197.
31. F. Schiller and T. Mattes, Analysis of nested CRC with additional net data by means of stochastic automata for safety-critical communication, *IEEE International Workshop on Factory Communication Systems*, 21-23 May, 2008, pp. 295 - 304
32. T. Maxino and P. Koopman, The effectiveness of checksums for embedded control networks, *IEEE Trans. on Dependable and Secure computing*, vol. 6, No. 1, pp. 59-72, 2009.
33. Damien O'Rourke, *Practical packet combining for use with cooperative and non-cooperative ARQ schemes in wireless sensor networks*, PhD thesis, Dublin City University, 2009.
34. Pavan Kumar Pendli, Michael Schwarz, Hans Dieter Wacker and Josef Boercsoek, Bluetooth for Safety Systems, *ISSC 2011*, Trinity College Dublin, June 23-24, 2011.
35. T. Zheng, W. Shaoping and A. El Kamel, Bluetooth communication reliability of mobile vehicles, *Proc. of International Conference on Fluid Power and Mechatronics*, Beijing, China, pp. 873-877, 2011.
36. P. K. Pendli, M. Schwarz, H. D. Wacker and J. Boercsoek, Bluetooth for Safety Systems, *22nd IET Irish Signals and Systems Conference*, Dublin, Ireland, 23-24 June 2011.
37. Damien O'Rourke and Conor Brennan, Practical packet combining for use with cooperative and non-cooperative ARQ schemes in resource-constrained wireless sensor networks, *Ad Hoc Networks*, Volume 10, Issue 3, pp. 339-355, 2012.
38. H. D. Wacker, P. Pendli and J. Börcsök, Data transmission via erasure type channels protected by linear codes, *J. Phys.: Conf. Ser.* 364 012058, 2012.
39. M. Shinagawa, K. Kondou, M. Noda, *CRC generator polynomial select method, CRC coding method and CRC coding circuit*, US Patent 8341510 B2, December 25, 2012.

40. M. Shinagawa, M. Noda, H. Yamagishi, K. Kondou, *Transmission apparatus and method, reception apparatus and method, and program*, US Patent 8327251 B2, December 4, 2012.
41. You-Gang Cha, Cha-Keon Cheong, Analysis of CRC-p code performance and determination of optimal CRC code for VHF band maritime ad-hock wireless communication, *The Journal of Korea Information and Communications Society*, Vol. 37A, No. 6, pp. 438-449, 2012.
42. O. Egwali Annie and V. V. N. Akwukwuma, Performance Evaluation of AN-VE: An Error Detection and Correction Code, *African Journal of Computing & ICT*, vol. 6, No 1, pp. 117-126, 2013.
43. M. Gholase, L.P.Thakare and A.Y. Deshmuk, Enhancement of Error Detection and Correction Capability Using Orthogonal Code Convolution, *International Journal of Computational Engineering Research*, Vol, 03, Issue, 4, pp. 66-71, 2013.
44. H. D. Wacker, P. Pendli and J. Boercsoek, Data transmission via erasure type channels protected by linear codes, *Journal of Physics: Conference Series*, vol. 364, Issue 1, 2013.
45. H. D. Wacker, P. Pendli and J. Boercsoek, Error control capability of orthogonal code convolution by means of FPGA application, *International Journal of Engineering Sciences Paradigms and Researches*, Vol. 05, Issue 01, pp. 27-30, 2013.
46. Y. Zhang, X. Li, Apparatus for appending cyclic redundancy check in communication system, US Patent US 8464140 B2, June 11, 2013.
47. J. H. Collet, A brief overview of the challenges of the multicore roadmap, *Proc. of International Conference MIXDES*, Lublin, Poland, 2014.
48. J. Noh, H. Song and C. Lee, An Error Pattern Estimation Scheme for Iterative Receiver in MIMO Systems, *IEEE Communications Letters* Vol. 18, Issue 4, pp. 552-555, 2014.
49. V. K. Shendre and R. Nawkhare, Enhancement of Error Control Capability of Orthogonal Code Convolution for Digital Communication, *IJCAT International Journal of Computing and Technology*, Volume 1, Issue 3, April 2014, pp. 5-9.
50. Umberto Mattei, *Extended physical layer modeling for smart metering utility network simulators*, Master Thesis, KTH, Communication Theory, Sweden, 2014.
51. S. Jirapure, Implementation of 16 bit orthogonal code convolution with enhanced error control technique using VHDL, *Int. Journal of Pure and Applied Research in Eng. and Techn.*, vol. 2 (9), pp. 78-85, 2014.
52. A. Kant, Enhance orthogonal code convolution capabilities for efficient digital communication, *Int. Journal For Technological Research In Engineering*, vol. 2, issue 4, pp. 2347-4718, 2014.

T. Baicheva, On the covering radius of ternary negacyclic codes with length up to 26, *IEEE Trans. on Inform. Theory*, vol. 47, No. 1 (2001) 413–416.

1. G. Cohen, I. Honkala, S. Litsyn and A. Lobstein, *Covering Codes*, North-Holland, Elsevier Science B.V., 1997, Updated July 12, 2010 list with bibliography at <http://www.infres.enst.fr/~lobstein/bib-a-jour.pdf>.
2. E. Velikova, The weight distribution of the cosets leaders of ternary cyclic codes with generator polynomial of small degree, *Annuaire de L'Université de Sofia 'St. Kl. Ohridski'*, vol. 97, pp. 109-114, 2005.
3. E. Velikova and A. Bojilov, On the Weight Distribution of the Coset Leaders of Constacyclic Codes, *Serdica J. Computing*, vol. 2, No. 2, pp. 105-110, 2008.
4. A. A. Davydov, M. Giulietti, S. Marcugini and F. Pambianco, Linear nonbinary covering codes and saturating sets in projective spaces, *Advances in Mathematics of Communications*, vol. 5, issue 2, 2011, pp. 119-147.

T. Baicheva, S. Dodunekov and R. Kötter, On the Performance of the Ternary [13,7,5] Quadratic-Residue Codes, *IEEE Trans. Inform. Theory*, vol. 48, No. 2 (2002) 562–564.

1. E. Nikolova, *Подходящи кодове за откриване на грешки*, Дисертация за присъждане на научната степен 'Доктор', 2005.
2. R. Dodunekova, O. Rabaste and J.L.V. Páez, Error detection with a class of irreducible binary cyclic codes and their dual codes, *IEEE Trans. on Inform. Theory*, vol. 51, No. 4, pp. 1206-1209, 2005.
3. T. Klove, *Codes for error detection*, Series on Coding Theory and Cryptology, vol 2., World Scientific, 2007.
4. H. P. Lee, H. Y. Chen and H.C. Chang, A Method for Decoding the (24, 15, 5) Cyclic Code, *Third International Conference on Intelligent Information Hiding and Multimedia Signal Processing*, Kaohsiung, 26-28 Nov. 2007, pp. 391-394. ISBN: 978-0-7695-2994-1
5. D. Kisku, P. Gupta and J. Sing, Feature Level Fusion of Face and Palmprint Biometrics, *Proc of Joint IAPR International Workshop SSPR&SPR*, Cesme, Izmir, Turkey, August 18-20, 2010.
6. M. Effros, G. D. Forney Jr., F. R. Kschischang, M. Médard, A. Singer, A. Vardy, The Scientific Legacy of Ralf Koetter, *IEEE Trans. Inform. Theory*, Vol. 57, NO. 2, FEBRUARY 2011, pp. 589-592.
7. K Xenoulis, List Permutation Invariant Linear Codes: Theory and Applications, *IEEE Trans. Inform. Theory*, Vol. 60, Issue 9, Sept. 2014, pp. 5263-5282.

T. Baicheva and V. Varek, On the least covering radius of binary linear codes with small lengths, *IEEE Trans. On Inform. Theory*, vol. 49, No. 3 (2003) 738–740.

1. G. Cohen, I. Honkala, S. Litsyn and A. Lobstein, *Covering Codes*, North-Holland, Elsevier Science B.V., 1997., Updated July 12, 2010 list with bibliography at <http://www.infres.enst.fr/lobstein/bib-a-jour.pdf>.
2. И. Буюклиев, *Алгоритмични подходи за изследване на линейни кодове*, Дисертация за присъждане на научната степен 'Доктор на математическите науки', 2007.
3. Li Ping, Zhu Shi-xin, Yu Hai-feng, Covering radius of codes over ring $F_2 + uF_2$, *Journal of University of Science and Technology of China*, 38(2), 2008.

T. Baicheva, I. Boyukliev, S. Dodunekov and W. Willems, Teaching linear codes, *Mathematica Balkanica, New Series* vol. 19 (2005) 3–16.

1. A. Faldum, On the trustworthiness of error-correcting codes, *IEEE Trans. Inform. Theory*, vol. 53, No. 12, 2007, pp. 4777 - 4784.
2. R. Jurrius and R Pellikaan, Extended and Generalized Weight Enumerators, *Proceedings of the International Workshop on Coding and Cryptography, WCC 2009*, Ullensvang, May 10-15, Selmer Center, Bergen, pp. 76-91, 2009.
3. R. Jurrius and R Pellikaan, The extended coset leader weight enumerator, *Proceedings 30th Symposium on Information Theory on the Benelux*, May 28-29, pp. 217-224, 2009.
4. R. Jurrius and R Pellikaan, The coset leader and list weight enumerator, *Contemporary Mathematics*, vol. 632, pp. 229-250, 2015

T. Baicheva, I. Bouyukliev, S. Dodunekov, and V. Fack, Binary and Ternary Quasi-perfect Codes with Small Dimensions, *IEEE Trans. on Inform. Theory*, vol. 54, issue 9 (2008) 4335–4339.

1. G. Cohen, I. Honkala, S. Litsyn and A. Lobstein, *Covering Codes*, North-Holland, Elsevier Science B.V., 1997., Updated July 12, 2010 list with bibliography at <http://www.infres.enst.fr/lobstein/bib-a-jour.pdf>.
2. Foto N. Afrati, Anish Das Sarma, David Menestrina, Aditya Parameswaran, Jeffrey D. Ullman, Fuzzy Joins Using MapReduce, *Technical Report. Stanford InfoLab*, July 2011.
3. F. N. Afrati, A.D. Sarma, D. Menestrina, A. Parameswaran, J. D. Ullman, Fuzzy Joins Using MapReduce, *IEEE 28th International Conference on Data Engineering*, Washington, DC, 1-5 April 2012, pp. 498-509.

4. L. H. Aslanyan and H. E. Danoyan, Complexity of Elias algorithm based on codes with covering radius 3, *Proc. of the Yerevan State University*, No. 1, pp. 44-50, 2013.
5. L. H. Aslanyan and H. E. Danoyan, Complexity of Elias algorithm for hash functions based on Hamming and extended Hamming codes, *Reports of National Academy of Sciences of Armenia*, vol. 113, No. 2, 2013.

T. Baicheva, Determination of the best CRC codes with up to 10-bit redundancy, *IEEE Trans on Commun.*, vol. 56, issue 8 (2008) 1214–1220.

1. T. Zhu, Z. Zhong, J. Zhang, A quick coding method based on dynamic table look-up for arbitrary bit length polynomial division in embedded system, *7th International Conference on Networked Computing and Advanced Information Management*, Gyeongju, 21-23 June, 2011, pp. 15-19.
2. E. Üstünel, I. Hökelek, O. Ileri, H. Arslan, Joint optimum message length and generator polynomial selection in Cyclic Redundancy Check (CRC) coding, *2011 IEEE 19th Signal Processing and Communications Applications Conference*, Antalya, 20-22 April 2011, pp. 222-225.
3. E. Üstünel, I. Hökelek and O. Ileri, A cross-layer goodput enhancement considering CRC coding and ARQ dynamics, *IEEE Symposium on Computer Communications*, Cappadocia, Turkey, pp. 23-28, 2012.
4. H. Patel and D. Jain, Design & check cyclic redundancy code using VERILOG HDL, *Int. Journal for Scientific Research & Development*, vol.1, issue 5, pp. 1096-1098, 2013.
5. H. Patel, D. Patel, M. Chaudhary and M. Zala, An Automated CRC engine, *International Journal for Innovative Research in Science & Technology*, Vol. 1, Issue 1, pp. 73-77, June 2014.
6. Li Chia Choo, Zander Lei, CRC codes for short control frames in IEEE 802.11ah, *The 80-th IEEE Vehicular Technology Conference*, Vancouver, Canada, 14-17 September, 2014, pp. 1-5.
7. C. Bai, M. S. Leeson, M. D. Higgins, Performance of SW-ARQ in bacterial quorum communications, *Nano Communication Networks*, vol. 6, Issue 1, pp. 311-314, March 2015.
8. M. El-Khamy, J. Lee, I. Kang, Detection Analysis of CRC-Assisted Decoding, *IEEE Commun. Letters*, vol. 19, issue 3, pp. 483-486, 2015.
9. D. A. Nugroho, S. Rizal, Dong-Seong Kim, Reconstruct unrecoverable data in real-time networks using Bézier curve, *IET Communications*, Available online: 05 January 2015, pp. 596-602

T. Baicheva and I. Bouyukliev, On the least covering radius of the binary linear codes of dimension 6, *Advances in Mathematics of Communications*, vol. 4, No 3 (2010) 399–403.

1. G. Cohen, I. Honkala, S. Litsyn and A. Lobstein, *Covering Codes*, North-Holland, Elsevier Science B.V., 1997, Updated November 29, 2011 list with bibliography at <http://www.infres.enst.fr/lobstein/bib-a-jour.pdf>.

T. Baicheva, All binary linear codes of lengths up to 18 or redundancy up to 10 are normal, *Advances in Mathematics of Communications*, vol. 5, No 4 (2011) 681–686.

1. G. Cohen, I. Honkala, S. Litsyn and A. Lobstein, *Covering Codes*, North-Holland, Elsevier Science B.V., 1997, Updated November 29, 2011 list with bibliography at <http://www.infres.enst.fr/lobstein/bib-a-jour.pdf>.

T. Baicheva and S. Topalova, Optimal $(v,4,2,1)$ optical orthogonal codes with small parameters, *Journal of Combinatorial Designs*, vol. 20 (2) (2012) 142–160.

1. X. Wang and Y. Chang, Further results on optimal $(v, 4, 2, 1)$ -OOCs, *Discrete Mathematics*, volume 312, issue 2, pp. 331 - 340, 2012.
2. M. Buratti, A. Pasotti and D. Wu, On optimal $(v, 5, 2, 1)$ optical orthogonal codes, *Design Codes and Cryptography*, vol. 68, Issue 1-3, pp. 349-371, 2013.
3. H. Zhao, D. Wu and R. Qin, Further results on balanced $(n, 3, 4, \lambda_a, 1)$ -OOCs, *Discrete Mathematics*, Vol. 337, 28 December 2014, pp. 871-96.

T. Baicheva and S. Topalova, Optimal optical orthogonal codes of weight 5 and small lengths, *International Conference on Applications of Computer Algebra*, Sofia, Bulgaria (2012).

1. S. M. Ibraheem, M. M. A. Elrazzak, S. M. S. Eldin, W. Saad and A.E. Aboelazm, A class of structured quasi-cyclic LDPC codes based on planar difference families, *International Conference on Advanced Technologies for Communications*, Ho Chi Minh City, 16-18 Oct. 2013, pp. 614-619.

T. Baicheva and S. Topalova, Optimal $(v, 5, 2, 1)$ optical orthogonal codes of small v , *Applical Algebra in Engeneering Communication and Computing*, vol. 24, numbers 3-4 (2013) 165–177.

1. H. Zhao, D. Wu and R. Qin, Further results on balanced $(n, 3, 4, \lambda_a, 1)$ -OOCs, *Discrete Mathematics*, Vol. 337, 28 December 2014, pp. 871-96.