

References

1. M. Maes, "Twin Peaks: The Histogram Attack to Fixed Depth Image Watermarking," LNCS, 1525, pp. 290-305, 1998.
2. M. J. Atallah et al., "Natural Language Watermarking and Tamperproofing," LNCS 2578, pp. 196-212, 2003.
3. I. Melcuk, "Dependency Syntax: Theory and Practice." SONY Press, NY, 1988.
4. J. Brassil, L. O' Gorman, "Watermarking Document Images with Bounding Box Expansion", Proc. First Int. Workshop on IH, pp. 227-235, 1996.
5. T. Handel, M. Sandford, "Hiding Data in the OSI Network Model", Proc. First Int. Workshop on IH, pp. 23-38, 1996.
6. T. M. Cover, J. A. Thomas, "Elements of Information Theory", John Wiley, 1991.
7. C. Cachin, "An information – theoretic model for steganography", LNCS, 1525, pp. 306-318, 1998.
8. T. Kailath, "The divergence and Bhattacharyya distance measures in signal selection", IEEE Trans. Commun. Tech. 15, pp. 52-60, 1967.
9. V. Korzhik et al. "On the use of Bhattacharyya distance as a measure of detectability of steganographic systems", Information Hiding International Journal, N 1, 2008, pp. 23-30.
10. J. Wang, P. Moulin, "Steganalysis of block-structured stegotext". In: Security, Steganography and Watermarking of Multimedia Contents, SPIE Proc. Vol. 5306, pp. 477-488, 2004.

11. P. Salee , “ Model – based steganography “. LNCS, 2939, pp. 154-167, 2004.
12. J. Fridrich , et al “ Perturbed quantization steganography with wet paper codes “. In: Proc. Workshop on Multimedia and Security. 2004, pp, 4-15, 2004.
13. V. Korzhik et al, “ Investigation of Some Attacks on Perturbed Quantization Steganography” (manuscript).
14. V. Korzhik, et al, “ On the existence of perfect stegosystems”, LNCS, 3710, pp.30-37,2005.
15. V. Korzhik , et al. “ Stegosystems based on noisy channels “, Proc. IX Spanish Meeting on Cryptology and Information Security, 2006.
16. J. Fridrich, “ Feature – based steganalysis for JPEG images and its applications for future design of steganographic schemes “. LNCS, 3200, pp. 67-81,2005.
17. S. Lyu , H. Farid, “ Detecting Hidden Messages Using Higher – Order Statistics and Support Vector Machines “, In: Proc. 5th Int. Workshop on IH, 2002.
18. C. Burges , “ A Tutorial on Support Vector Machines for Pattern Recognition “, Data Mining and Knowledge Discovery, 2, pp. 121-167, 1998.
19. I, Cox, et al “ Digital Watermarking “, MK,2002.
20. M. Barni, F. Bartolini , “ Watermarking System Engineering”. Marcel Dekker, 2004.

21. V. Gorodetsky, V. Samoilov, "Simulation-based Exploration of SVD-Based Technique for Hidden Communication by Image Steganography Channel", LNCS, 2776, pp. 349-359, 2003.
22. V. Korzhik et al. "A performance evaluation of digital watermark under an additive noise attack", In: Proc. VII Spanish Meeting on Cryptography and Information Security, pp. 451-470, 2002.
23. H. Malvar, D. Florencia, "Improved spread spectrum: A new modulation technique for robust watermarking", IEEE Trans. On Signal Processing, 51, pp. 898-905, 2001.
24. Perez-Freire, F Perez-Gonzalez, "Spread – spectrum vs. quantization – based data hiding: Misconceptions and implications", In: Proc. SPIE 17th Symposium, 2005.
25. V. Korzhik et al. "Digital watermarking under filtering and additive noise attack condition". LNCS, 2776, pp. 371-382, 2003.
26. V. Korzhik et al. "The Performance Evaluation of Estimation Attack on Spread – Spectrum Based Watermarking of Images" (manuscript).
27. C, Wu et al, "Robust Audio Watermarking for Copyright Protection". SPIE's, 44th Meeting, pp. 18-23, 1999.
28. K.J. P. Liu et al, "Multimedia Fingerprinting Forensics for Traitor Tracing", Hindawi PC, 2005.
29. A, J. Menezes et al, "Handbook of Applied Cryptography", CRC, 1996.

30. M.H. Lee, V. Korzhik et al, "Image authentication based on modular embedding", IEICE Trans. Inf. N1, E 89-D (4), pp. 1498-1506, 2006.
31. M. Goljan et al, " Distortion – free data embedding for images". Proc. IHW' 2001, pp. 31-45, LNCS.
32. V. Korzhik et al , " Methods of exact image authentication based on watermarking technique ", Problems of information security, N1, 2008, (in Russian).
33. Fridrich J., Goljan M., Du R. Invertible authentication watermark for JPEG images //Information Technology: Coding and Computing, 2001. Proceedings. International Conference on. – IEEE, 2001. – C. 223-227.
34. N. Zhicheng et al, " Reversible Data Hiding ", IEEE Trans. on Circuits and Systems for video Technology, vol.16 , N3, pp. 354-362, 2006.
35. J. Proakis, " Digital Communications ", McGraw – Hill, 1995.
36. Gui – jun Nian et al, " Research of improved echo data hiding : audio watermarking based on reverberation ", In : Proc. ICASSP ' 2007 pp. 177-180.
37. N. Cvejic, " Algorithms for audio watermarking and steganography", [http : // herkules oulu.fi / isbn9514273842/](http://herkules oulu.fi / isbn9514273842/).
38. A. Davydkin, "Investigation of model-based steganography", Master thesis, SPbGUT,2009.(in Russian)
39. B. Ryabko, D. Ryabko, "Asymptotically optimal perfect steganography systems", Problems Information Transmission, 2009, vol. 45, №2, pp. 184-190.
40. K. Szczypiorski, "Steganography in TCP/IP Networks, State of the Art and proposal of new system." [http: // krzysiek.tell.pw.edu.pl/pdf /steg-seminar-2003.pl](http://krzysiek.tell.pw.edu.pl/pdf /steg-seminar-2003.pl)
41. Fridrich J., Goljan M., Soukal D. Efficient wet paper codes //Information Hiding. – Springer Berlin Heidelberg, 2005. – C. 204-218.

42. V. Korzhik, et al., "Stegosystem Based on Noisy Channels", Int. **Journ.** of Comp. Science and Applications. (2011).
43. J. Mc Williams, N. Sloane, "The theory of error-correction codes", NHPC, 1978.
44. S. Anfinogenov, "Investigations of robust watermarking", Master thesis, SPbGUT, 2010.(in Russian)
45. A. M. Bruckstein, T.J. Richardson, "A Holographic Transform Domain Image Watermarking Method", Techn. Rep. 1997.
46. Z. Li, W. Trappe, "Collusion resistant fingerprint from WBE sequences", in IEEE Int. Conf. on Commun. (IIC), 2005, pp. 477-488.
47. V. Korzhik, et al., "Collusion resistant fingerprints based on the use of superimposed codes in real space", in **Proc.** IMCSIT, vol. 4, pp. 487-491, 2009.
48. Gui-jun Nian, et al., "Research of improved echo data hiding: audio watermarking based on reverberation", IEEE on SP, pp. 177-180, 2007.
49. V. Alekseev, "Design of audio watermarking system based on reverberation", Ph.D. Thesis, SPbGUT, 2011.
50. T. Ericson, L. Gyorf, "Superimposed codes in **R**", IEEE Trans. On IT, vol. 34, no 4, p.877, 1988.
51. L. Pivarelis, "Investigation of image authentication in format jpeg by watermarking", Master thesis, SPbGUT, 2009.(in Russian)
52. J. Bierbraner, J. Fridrich "Constructing Good Covering Codes for Applications in Steganography", Trans. On Data Hiding and Multimedia Security III, LNCS 4220, 2008 pp. 1-22

53. Dumitrescu et al. "Detection at LSB Steganography via Sample Pair Analysis", LNCS 2578, pp.355-372, 2003.
54. A. Ker, "Steganalysis of LSB matching in Grayscale Images", IEEE Signal Processing Letter, vol.12, N6, pp.441-444, 2005.
55. N. Kravchenko, "Investigation of LSB-matching detection", Master thesis, 2012. SUT, (in Russian)
56. Trufanov, "Investigation of SG-systems preserving statistics of LSB", Master thesis, 2011, SUT (in Russian)
57. J. Fridrich, "Steganography in Digital Media", Cambridge Press, 2010.
58. Pevny T. et al., "Using high dimensional image models to perform highly undetectable steganography", Proc. IH2010, pp.161-177.
59. S. Anfinogenov, "Investigation of zero-bit WM system resistant to different transforms", Master thesis, 2013 (SUT, (in Russian).
60. V. Korzhik et al, "Concatenated Digital Watermarking System Robust to different removal attacks", Computer Science and Information Systems, N 4, pp. 2014.
61. Dong et al, "Digital watermarking robust to geometric distortions", IEE Trans. On Image Processing, N12, pp.2140-2150, 2005.
62. Pevny et al., "Steganalysis by Subtractive Pixel Adjacent Matrix", IEEE Trans. on..., vol.5, pp.215-224, 2010.
63. Filler et al, "Minimizing embedding impact in steganography using trellis -code quantization", Proc.SPIE, 2010.

64. C.E. Shannon, "A mathematical theory of communication", Bell System Technical Journal, vol.27, pp.623-656, 1948.
65. A.D. Ker et al, "The square root law of steganographic capacity", Proc. 10th ACM, pp.107-116, 2008.
66. J. Wozencraft and I. Jacobs, "Principles of Communication Engineering", JWS, 1065.
67. V. Korzhik et al., "The capacity of Stegosystem for the Noisy Attck Channel", Journal of Information Hiding and Multimedia Signal Processing. vol.3.N2, pp.205-211, 2012.
68. V. Korzhik et al., "The Use of Wet Paper Codes With Audio Watermarking Based on Echo Hiding", Proc. of Federated Conference on Computer Systems", pp.727-732, 2012.
69. Pevny T. et al., "Steganalysis by Suntractive Pixel Adjacent Matrix", IEEE Trans. On Information Forensics and Security, vol.5, Issue 2, pp.215-210, 2010.
70. Wang Q. et al. "A nearest -neighbor approach to estimating divirgance between continuous random vestors", ISIT 2006, pp.306-318.
71. V. Korzhik et al. "Optimization of Stegosystems based on the Use a Nearest-Neighbor Approach to Divirgance Estimating", Intern. Journal of Information Security (submitted), 2014.
72. Zernike V.F., Beugungstheorie des schneidenver - fahrens und seiner verbesserten form, der phasenkontrastmethode, Physica, vol. 1, no. 7 – 12, pp. 689 – 704, 1934.
73. Liu, H., Yao, X., Huang, J., Semi - Fragile Zernike Moment – Based Image Watermarking for Authentication, EURASIP Journal on Advances in Signal Processing, Article ID 341856, 17, 2010
74. Yang L., Tian J., Wu D., Content based Image Authentication by Feature Point Clustering and Matching, Security and Communication Networks, vol. 5, no. 6, pp. 636-647, June 2012.
75. Andrew D. Ker, Patrick Bas, Rainer Bohome, Remi Cograanne, Scott Craver, Tomas Filler, Jessice J. Fridrich, Tomaas Pevny: Moving steganography and steganalysis from the laboratory into the real world. IH&MMSec 2013: 45-58.