

Low-Density Parity Check Codes

- [1] John Brevik and Michael E. O’Sullivan, *The performance of LDPC codes with large girth*, 2005.
- [2] Sean V. Droms, Keith E. Mellinger, and Chris Meyer, *LDPC codes generated by conics in the classical projective plane*, Des. Codes Cryptogr. **40** (2006), no. 3, 343–356. MR MR2251325 (2007f:51021)
- [3] M. Greferath, M. O’Sullivan, and R. Smarandache, *Construction of good LDPC codes using dilation matrices*, Proc. IEEE Intern. Symp. on Inform. Theory, 2004.
- [4] Sarah J. Johnson and Steven R. Weller, *High-rate LDPC codes from unital designs*, IEEE Global Telecommunications Conference **4** (2003), no. 5, 2036–2040.
- [5] Christine A. Kelley, Deepak Sridhara, and Joachim Rosenthal, *Tree-based construction of LDPC codes having good pseudocodeword weights*, IEEE Trans. Inform. Theory **53** (2007), no. 4, 1460–1478. MR MR2303014 (2008b:94133)
- [6] Jon-Lark Kim, Uri N. Peled, Irina Perepelitsa, and Vera Pless, *Explicit construction of families of LDPC codes with girth at least six*, Proceedings of the Annual Allerton Conference on Communication, Control and Computing, vol. 40, Part 2, 2002, pp. 1024–1031.
- [7] Jon-Lark Kim, Uri N. Peled, Irina Perepelitsa, Vera Pless, and Shmuel Friedland, *Explicit construction of families of LDPC codes with no 4-cycles*, IEEE Trans. Inform. Theory **50** (2004), no. 10, 2378–2388. MR MR2097054 (2005e:94285)
- [8] Sunghwan Kim, Jong-Seon No, Habong Chung, and Dong-Joon Shin, *Cycle analysis and construction of protographs for QC (LDPC) codes with girth larger than 12*, IEEE International Symposium on Information Theory, 2007. ISIT 2007 (2007), 2256–2260.
- [9] Paul F. Kubwalo and John A. Ryan, *Low density parity check irreducible Goppa codes*, AFRICON 2007 (2007).
- [10] G. Malema, *Constructing quasi-cyclic LDPC codes using a search algorithm*, 2007 IEEE International Symposium on Signal Processing and Information Technology (2007), 956–960.

- [11] Keith E. Mellinger, *LDPC codes from triangle-free line sets*, Des. Codes Cryptogr. **32** (2004), no. 1-3, 341–350. MR MR2072337 (2005b:94056)
- [12] Arvind Sridharan, *Design and analysis of LDPC convolutional codes*, Ph.D. thesis, University of Notre Dame, Indiana, February 2005.
- [13] R. Michael Tanner, Deepak Sridhara, Arvind Sridharan, Thomas E. Fuja, and Daniel J. Costello, Jr., *LDPC block and convolutional codes based on circulant matrices*, IEEE Trans. Inform. Theory **50** (2004), no. 12, 2966–2984. MR MR2103477 (2005g:94108)
- [14] Steven R. Weller and Sarah J. Johnson, *Iterative decoding of codes from oval designs*, Defence Applications of Signal Processing, 2001 Workshop (2001), 1–19.
- [15] Steven R. Weller and Sarah J. Johnson, *Regular low-density parity-check codes from oval designs*, European Transactions on Telecommunications **14** (2003), no. 5, 399–409.