

Cyclic Codes

94B15

- [1] Taher Abualrub, Ali Ghayeb, Nuh Aydin, and Irfan Siap, *On the construction of skew quasi-cyclic codes*, IEEE Trans. Inform. Theory **56** (2010), no. 5, 2081–2090.
- [2] Maria Carmen V. Amarra and Fidel R. Nemenzo, *On: “ $(1-u)$ -cyclic codes over $F_{p^k} + uF_{p^k}$ ”*, Appl. Math. Lett. **21** (2008), no. 11, 1129–1133. MR MR2459836
- [3] Makoto Araya and Masaaki Harada, *MDS codes over F_9 related to the ternary Golay code*, Discrete Math. **282** (2004), no. 1-3, 233–237. MR MR2059522 (2005b:94059)
- [4] Marc A. Armand, *List decoding of generalized Reed-Solomon codes over commutative rings*, IEEE Trans. Inform. Theory **51** (2005), no. 1, 411–419. MR MR2235785 (2007j:94101)
- [5] T. P. Berger, *Quasi-cyclic Goppa codes*, IEEE International Symposium on Information Theory, ISIT 2000, 2000.
- [6] Grégoire Bommier and Francis Blanchet, *Binary quasi-cyclic Goppa codes*, Des. Codes Cryptogr. **20** (2000), no. 2, 107–124. MR MR1774118 (2002b:94044)
- [7] A. Bonnecaze and P. Udaya, *Cyclic codes and self-dual codes over $F_2 + uF_2$* , IEEE Trans. Inform. Theory **45** (1999), no. 4, 1250–1255. MR MR1686262 (2000b:94020)
- [8] Nigel Boston, *The minimum distance of the [137, 69] binary quadratic residue code*, IEEE Trans. Inform. Theory **45** (1999), no. 1, 282. MR MR1677868 (99k:94052)
- [9] ———, *Bounding minimum distances of cyclic codes using algebraic geometry*, International Workshop on Coding and Cryptography (Paris, 2001), Electron. Notes Discrete Math., vol. 6, Elsevier, Amsterdam, 2001, p. 10 pp. (electronic). MR MR1985260 (2004e:94039)
- [10] Nigel Boston and Gary McGuire, *The weight distributions of cyclic codes with two zeros and zeta functions*, J. Symbolic Comput. **45** (2010), no. 7, 723–733. MR 2645974
- [11] D. Boucher, W. Geiselmann, and F. Ulmer, *Skew-cyclic codes*, Appl. Algebra Engrg. Comm. Comput. **18** (2007), no. 4, 379–389. MR MR2322946

- [12] Anne Desideri Bracco, Ann Marie Natividad, and Patrick Solé, *On quintic quasi-cyclic codes*, Discrete Appl. Math. **156** (2008), no. 18, 3362–3375. MR MR2467310 (2010e:94295)
- [13] Danyo Danev and Jonas Olsson, *On a sequence of cyclic codes with minimum distance six*, IEEE Trans. Inform. Theory **46** (2000), no. 2, 673–674. MR MR1748995 (2001a:94041)
- [14] Rumen Daskalov and Markus Grassl, *New cyclic and quasi-cyclic quaternary linear codes*, Proceedings Fifth International Workshop on Optimal Codes and Related Topics, (OC 2007) Balchik, Bulgaria, June 2007, 2007, pp. 56–61.
- [15] Anne Desideri Bracco, *Treillis de codes quasi-cycliques*, European J. Combin. **25** (2004), no. 4, 505–516. MR MR2069378 (2005c:94073)
- [16] Cunsheng Ding and Tor Helleseth, *Generalized cyclotomic codes of length $p_1^{e_1} \cdots p_t^{e_t}$* , IEEE Trans. Inform. Theory **45** (1999), no. 2, 467–474. MR MR1677011 (2000a:94018)
- [17] Steven T. Dougherty, Masaaki Harada, and Manabu Oura, *Note on the g-fold joint weight enumerators of self-dual codes over Z_k* , Appl. Algebra Engrg. Comm. Comput. **11** (2001), no. 6, 437–445. MR MR1831938 (2002e:94126)
- [18] M. Esmaeili and S. Yari, *On complementary-dual quasi-cyclic codes*, Finite Fields Appl. **15** (2009), no. 3, 375–386. MR MR2516431
- [19] Philippe Gaborit, Carmen-Simona Nedeloaia, and Alfred Wassermann, *On the weight enumerators of duadic and quadratic residue codes*, IEEE Trans. Inform. Theory **51** (2005), no. 1, 402–407. MR MR2234603
- [20] Markus Grassl, *On the minimum distance of some quadratic-residue codes*, ISIT 2000. Sorrento, Italy, June 25-30, 2000, 2000, pp. 253–253.
- [21] Markus Grassl, *New binary codes from a chain of cyclic codes*, IEEE Trans. Inform. Theory **47** (2001), no. 3, 1178–1181. MR MR1830062
- [22] Markus Grassl and Greg White, *New codes from chains of quasi-cyclic codes*, IEEE International Symposium on Information Theory (ISIT), Adelaide, 2005.
- [23] T. Aaron Gulliver and Masaaki Harada, *Orthogonal frames in the Leech lattice and a type II code over Z_{22}* , J. Combin. Theory Ser. A **95** (2001), no. 1, 185–188. MR MR1840485 (2002d:94061)

- [24] Cem Güneri and Ferruh Özbudak, *Cyclic codes and reducible additive equations*, IEEE Trans. Inform. Theory **53** (2007), no. 2, 848–853. MR MR2302794
- [25] K. J. Horadam and P. Udaya, *A new class of ternary cocyclic Hadamard codes*, Appl. Algebra Engrg. Comm. Comput. **14** (2003), no. 1, 65–73. MR MR1989636 (2004j:94034)
- [26] Doug Kuhlman, *The minimum distance of the [83, 42] ternary quadratic residue code*, IEEE Trans. Inform. Theory **45** (1999), no. 1, 282. MR MR1675978 (99k:94056)
- [27] San Ling and Patrick Solé, *Duadic codes over $\mathbf{F}_2 + u\mathbf{F}_2$* , Appl. Algebra Engrg. Comm. Comput. **12** (2001), no. 5, 365–379. MR MR1864608 (2002m:94065)
- [28] ———, *Nonlinear p-ary sequences*, Appl. Algebra Engrg. Comm. Comput. **14** (2003), no. 2, 117–125. MR MR1995563 (2004g:94040)
- [29] Teo Mora and Massimiliano Sala, *On the Gröbner bases of some symmetric systems and their application to coding theory*, J. Symbolic Comput. **35** (2003), no. 2, 177–194. MR MR1958953 (2004c:94118)
- [30] Carmen-Simona Nedeloaia, *On weight distribution of cyclic self-dual codes*, IEEE International Symposium on Information Theory (ISIT), Lausanne, Switzerland,, 2002.
- [31] Carmen-Simona Nedeloaia, *Weight distributions of cyclic self-dual codes*, IEEE Trans. Inform. Theory **49** (2003), no. 6, 1582–1591. MR MR1984951 (2004f:94111)
- [32] Emmanuela Orsini and Massimiliano Sala, *General error locator polynomials for binary cyclic codes with $t \leq 2$ and $n < 63$* , IEEE Trans. Inform. Theory **53** (2007), no. 3, 1095–1107. MR MR2302814 (2008b:94122)
- [33] Massimiliano Sala, *Groebner bases and distance of cyclic codes*, Appl. Algebra Engrg. Comm. Comput. **13** (2002), no. 2, 137–162. MR MR1912893 (2003f:94090)
- [34] ———, *Upper bounds on the dual distance of $\text{BCH}(255, k)$* , Des. Codes Cryptogr. **30** (2003), no. 2, 159–168. MR MR2007208 (2004h:94059)
- [35] ———, *Gröbner basis techniques to compute weight distributions of shortened cyclic codes*, J. Algebra Appl. **6** (2007), no. 3, 403–414. MR MR2337760 (2008k:94091)
- [36] C. Tjhai and M. Tomlinson, *Results on binary cyclic codes*, Electronics Letters **43** (2007), no. 4, 234–235.

- [37] José Felipe Voloch, *Computing the minimal distance of cyclic codes*, Comput. Appl. Math. **24** (2005), no. 3, 393–398. MR MR2240450 (2007b:94307)