

Linear Codes: General

94B05, 94B12, 94B60

- [1] Salah A. Aly, *Asymmetric and symmetric subsystem BCH codes and beyond*, 2008.
- [2] E. F. Assmus, Jr. and J. D. Key, *Designs and codes: an update*, Des. Codes Cryptogr. **9** (1996), no. 1, 7–27, Second Upper Michigan Combinatorics Workshop on Designs, Codes and Geometries (Houghton, MI, 1994). MR MR1412173 (97m:94021)
- [3] ———, *Polynomial codes and finite geometries*, Handbook of Coding Theory, Vol. I, II, North-Holland, Amsterdam, 1998, pp. 1269–1343. MR MR1667952
- [4] Christine Bachoc, *On harmonic weight enumerators of binary codes*, Des. Codes Cryptogr. **18** (1999), no. 1-3, 11–28, Designs and codes—a memorial tribute to Ed Assmus. MR MR1738653 (2002b:94025)
- [5] ———, *Harmonic weight enumerators of nonbinary codes and MacWilliams identities*, Codes and Association Schemes (Piscataway, NJ, 1999), DIMACS Ser. Discrete Math. Theoret. Comput. Sci., vol. 56, Amer. Math. Soc., Providence, RI, 2001, pp. 1–23. MR MR1816384 (2002b:94024)
- [6] Lynn M. Batten, Michelle Davidson, and Leo Storme, *An analysis of Chen’s construction of minimum-distance five codes*, IEEE Trans. Inform. Theory **46** (2000), no. 2, 505–511. MR MR1748985 (2000m:94031)
- [7] Thierry P. Berger, *Goppa and related codes invariant under a prescribed permutation*, IEEE Trans. Inform. Theory **46** (2000), no. 7, 2628–2633. MR MR1806822
- [8] Koichi Betsumiya, T. Aaron Gulliver, and Masaaki Harada, *Binary optimal linear rate 1/2 codes*, Applied Algebra, Algebraic Algorithms and Error-correcting Codes (Honolulu, HI, 1999), Lecture Notes in Comput. Sci., vol. 1719, Springer, Berlin, 1999, pp. 462–471. MR MR1846520 (2002j:94060)
- [9] Ezio Biglieri, John K. Karlof, and Emanuele Viterbo, *Representing group codes as permutation codes*, IEEE Trans. Inform. Theory **45** (1999), no. 6, 2204–2207. MR MR1720681 (2000g:94058)
- [10] Delphine Boucher and Felix Ulmer, *Coding with skew polynomial rings*, J. Symbolic Comput. **44** (2009), no. 12, 1644–1656. MR MR2553570

- [11] Iliya Bouyukliev and Valentin Bakoev, *A method for efficiently computing the number of codewords of fixed weights in linear codes*, Discrete Appl. Math. **156** (2008), no. 15, 2986–3004. MR MR2457507
- [12] Iliya Bouyukliev, Markus Grassl, and Zlatko Varbanov, *New bounds for $n_4(k, d)$ and classification of some optimal codes over $\text{GF}(4)$* , Discrete Math. **281** (2004), no. 1-3, 43–66. MR MR2047756 (2005g:94094)
- [13] Iliya Bouyukliev and Juriaan Simonis, *Some new results for optimal ternary linear codes*, IEEE Trans. Inform. Theory **48** (2002), no. 4, 981–985. MR MR1908461 (2003c:94043)
- [14] Thomas Britz and Keisuke Shiromoto, *Designs from subcode supports of linear codes*, Des. Codes Cryptogr. **46** (2008), no. 2, 175–189. MR MR2368992 (2009a:94040)
- [15] Stanislav Bulygin and Ruud Pellikaan, *Bounded distance decoding of linear error-correcting codes with Gröbner bases*, J. Symb. Comput. **44** (2009), no. 12, 1626–1643.
- [16] A. Robert Calderbank, Eric M. Rains, P. W. Shor, and Neil J. A. Sloane, *Quantum error correction via codes over $\text{GF}(4)$* , IEEE Trans. Inform. Theory **44** (1998), no. 4, 1369–1387. MR MR1665774 (99m:94063)
- [17] Lionel Chaussade, Pierre Loidreau, and Felix Ulmer, *Skew codes of prescribed distance or rank*, Des. Codes Cryptogr. **Online first** (2008), 18.
- [18] Anne Desideri Bracco, *Treillis de codes quasi-cycliques*, European J. Combin. **25** (2004), no. 4, 505–516. MR MR2069378 (2005c:94073)
- [19] Cunsheng Ding, David Kohel, and San Ling, *Elementary 2-group character codes*, IEEE Trans. Inform. Theory **46** (2000), no. 1, 280–284. MR MR1743594 (2000j:94030)
- [20] Peng Ding and Jennifer D. Key, *Minimum-weight codewords as generators of generalized Reed-Muller codes*, IEEE Trans. Inform. Theory **46** (2000), no. 6, 2152–2158. MR MR1781373 (2001g:94017)
- [21] ———, *Subcodes of the projective generalized Reed-Muller codes spanned by minimum-weight vectors*, Des. Codes Cryptogr. **26** (2002), no. 1-3, 197–211. MR MR1919877 (2004f:94092)

- [22] Thomas Feulner, *The automorphism groups of linear codes and canonical representatives of their semilinear isometry classes*, Adv. Math. Commun. **3** (2009), no. 4, 363–383. MR MR2559135
- [23] Luís R. A. Finotti, *Minimal degree liftings in characteristic 2*, J. Pure Appl. Algebra **207** (2006), no. 3, 631–673. MR MR2265544 (2007g:11068)
- [24] Philippe Gaborit, *Quadratic double circulant codes over fields*, J. Combin. Theory Ser. A **97** (2002), no. 1, 85–107. MR MR1879128 (2002m:94056)
- [25] Philippe Gaborit, W. Cary Huffman, Jon-Lark Kim, and Vera Pless, *On additive GF(4) codes*, Codes and Association Schemes (Piscataway, NJ, 1999), DIMACS Ser. Discrete Math. Theoret. Comput. Sci., vol. 56, Amer. Math. Soc., Providence, RI, 2001, pp. 135–149. MR MR1816395 (2002c:94046)
- [26] Philippe Gaborit and Oliver D. King, *Linear constructions for DNA codes*, Theoret. Comput. Sci. **334** (2005), no. 1-3, 99–113. MR MR2132945 (2006b:94073)
- [27] Philippe Gaborit, Carmen-Simona Nedeloaia, and Alfred Wassermann, *Weight enumerators of duadic and quadratic residue codes*, IEEE International Symposium on Information Theory (ISIT), Chicago, USA, 2004.
- [28] Julia Galstad and Gerald Hoehn, *A new class of codes over $Z_2 \times Z_2$* , 2010.
- [29] Santos González, Consuelo Martínez, and Alejandro P. Nicolás, *Classic and quantum error correcting codes*, Coding Theory and Applications, Lecture Notes in Computer Science, vol. 5228, Springer, 2008, pp. 56–68.
- [30] Daniel M. Gordon, Victor Miller, and Peter Ostapenko, *Optimal hash functions for approximate closest pairs on the n -cube*, 2008.
- [31] M. Grassl and G. White, *New good linear codes by special puncturings*, International Symposium on Information Theory, 2004. ISIT 2004 (2004), 454–.
- [32] Fernando Hernando and Diego Ruano, *Sixteen new linear codes with Plotkin sum*, 2008.
- [33] W. Cary Huffman and Vera Pless, *Fundamentals of Error-correcting Codes*, Cambridge University Press, Cambridge, 2003. MR MR1996953 (2004k:94077)

- [34] Paul Hurley and Ted Hurley, *Codes from zero-divisors and units in group rings*, International Journal of Information and Coding Theory **1** (2009), no. 1, 57–87.
- [35] Ted Hurley, *Convolutional codes from units in matrix and group rings*, Int. J. Pure Appl. Math. **50** (2009), no. 3, 431–463. MR MR2490664
- [36] Martin Janošov, Martin Husák, Peter Farkaš, and Ana Garcia Armada, *New [47, 15, 16] linear binary block code*, IEEE Trans. Inform. Theory **54** (2008), no. 1, 423–424. MR MR2446769
- [37] John K. Karlof and Yaw O. Chang, *Optimal permutation codes for the Gaussian channel*, IEEE Trans. Inform. Theory **43** (1997), no. 1, 356–358. MR MR1610104 (98j:94005)
- [38] J. D. Key, *Codes and finite geometries*, Proceedings of the Twenty-ninth Southeastern International Conference on Combinatorics, Graph Theory and Computing (Boca Raton, FL, 1998), vol. 131, 1998, pp. 85–99. MR MR1676476 (2000a:51011)
- [39] ———, *Some error-correcting codes and their applications*, Applied Mathematical Modeling: A Multidisciplinary Approach, Edited by D. R. Shier and K. T. Wallenius, CRC Press, Boca Raton, FL, 1999.
- [40] J. D. Key, B. Novick, and F. E. Sullivan, *Binary codes of structures dual to unitals*, Proceedings of the Twenty-eighth Southeastern International Conference on Combinatorics, Graph Theory and Computing (Boca Raton, FL, 1997), vol. 123, 1997, pp. 119–124. MR MR1605081 (99d:94043)
- [41] J. D. Key and P. Seneviratne, *Binary codes from rectangular lattice graphs and permutation decoding*, European J. Combin. **28** (2007), no. 1, 121–126. MR MR2261808 (2007g:94086)
- [42] Dae San Kim, *Codes associated with $O^+(2n, 2^r)$ and power moments of Kloosterman sums*, 2008.
- [43] ———, *Codes associated with orthogonal groups and power moments of Kloosterman sums*, 2008.
- [44] ———, *Codes associated with special linear groups and power moments of multi-dimensional Kloosterman sums*, 2008.

- [45] Jon-Lark Kim, Keith E. Mellinger, and Vera Pless, *Projections of binary linear codes onto larger fields*, SIAM J. Discrete Math. **16** (2003), no. 4, 591–603 (electronic). MR MR2032082 (2005a:94099)
- [46] Chong Jie Lim, *Consta-abelian polyadic codes*, IEEE Trans. Inform. Theory **51** (2005), no. 6, 2198–2206. MR MR2235293
- [47] San Ling, Chaoping Xing, and Ferruh Özbudak, *An explicit class of codes with good parameters and their duals*, Discrete Appl. Math. **154** (2006), no. 2, 346–356. MR MR2194407 (2006h:94257)
- [48] J. Löfvenberg, *Binary fingerprinting codes*, Des. Codes Cryptogr. **36** (2005), no. 1, 69–81. MR MR2152177
- [49] Stefano Marcugini, Alfredo Milani, and Fernanda Pambianco, *Classification of linear codes exploiting an invariant*, Contrib. Discrete Math. **1** (2006), no. 1, 1–7 (electronic). MR MR2212135 (2006k:94162)
- [50] Patric R. J. Östergård, *Classifying subspaces of Hamming spaces*, Des. Codes Cryptogr. **27** (2002), no. 3, 297–305. MR MR1928445 (2003i:94060)
- [51] Kevin T. Phelps, *An enumeration of 1-perfect binary codes*, Australas. J. Combin. **21** (2000), 287–298. MR MR1758278 (2001a:94050)
- [52] Ralph-Hardo Schulz, *Check character systems and anti-symmetric mappings*, Computational Discrete Mathematics, Lecture Notes in Comput. Sci., vol. 2122, Springer, Berlin, 2001, pp. 136–147. MR MR1911586
- [53] Anuradha Sharma, Gurmeet K. Bakshi, and Madhu Raka, *Polyadic codes of prime power length*, Finite Fields Appl. **13** (2007), no. 4, 1071–1085. MR MR2360540
- [54] Derek H. Smith, Niema Aboluion, Roberto Montemanni, and Stephanie Perkins, *Linear and nonlinear constructions of DNA codes with Hamming distance d and constant GC-content*, Discrete Math. **To appear** (2010).
- [55] C. Tjhai, M. Tomlinson, M. Grassl, R. Horan, M. Ahmed, and M. Ambroze, *New linear codes derived from binary cyclic codes of length 151*, IEE Proceedings: Communications **153** (2006), no. 5, 581–585.

- [56] M. van Dijk, S. Egner, M. Greferath, and A. Wassermann, *On binary linear [160, 80, 24] codes*, IEEE International Symposium on Information Theory (ISIT), Yokohama, 2003.
- [57] M. van Eupen and P. Lisonek, *Classification of some optimal ternary linear codes of small length*, Designs, Codes and Cryptography **10** (1997), 63–84.
- [58] Judy L. Walker, *Constructing critical indecomposable codes*, IEEE Trans. Inform. Theory **47** (2001), no. 5, 1780–1795. MR MR1842518 (2002h:94097)
- [59] Harold N. Ward, *An Introduction to Algebraic Coding Theory*, Coding Theory and Quantum Computing, Contemp. Math., vol. 381, Amer. Math. Soc., Providence, RI, 2005, pp. 27–52. MR MR2170798 (2006e:94001)