

## References

- [1] Alexander Barg. Minimum distance decoding algorithms for linear codes. In Theo Mora and Harold Mattson, editors, *Proceedings of the 12th International Symposium on Applied Algebra, Algebraic Algorithms and Error-Correcting Codes, AAECC'97 (Toulouse, France, June 23-27, 1997)*, volume 1255 of *LNCS*, pages 1–14. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong-Barcelona-Budapest-Milan-Santa Clara-Singapore, 1997.
- [2] Laurent Bernardin and Michael B. Monagan. Efficient multivariate factorization over finite fields. In Theo Mora and Harold Mattson, editors, *Proceedings of the 12th International Symposium on Applied Algebra, Algebraic Algorithms and Error-Correcting Codes, AAECC'97 (Toulouse, France, June 23-27, 1997)*, volume 1255 of *LNCS*, pages 15–28. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong-Barcelona-Budapest-Milan-Santa Clara-Singapore, 1997.
- [3] Peter Boyvalenkov and Danyo Danev. On maximal codes in polynomial metric spaces. In Theo Mora and Harold Mattson, editors, *Proceedings of the 12th International Symposium on Applied Algebra, Algebraic Algorithms and Error-Correcting Codes, AAECC'97 (Toulouse, France, June 23-27, 1997)*, volume 1255 of *LNCS*, pages 29–38. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong-Barcelona-Budapest-Milan-Santa Clara-Singapore, 1997.
- [4] Massimo Caboara, Pasqualina Conti, and Carlo Traverso. Yet another ideal decomposition algorithm. In Theo Mora and Harold Mattson, editors, *Proceedings of the 12th International Symposium on Applied Algebra, Algebraic Algorithms and Error-Correcting Codes, AAECC'97 (Toulouse, France, June 23-27, 1997)*, volume 1255 of *LNCS*, pages 39–54. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong-Barcelona-Budapest-Milan-Santa Clara-Singapore, 1997.
- [5] Giuseppa Carrà Ferro. A resultant theory for ordinary algebraic differential equations. In Theo Mora and Harold Mattson, editors, *Proceedings of the 12th International Symposium on Applied Algebra, Algebraic Algorithms and Error-Correcting Codes, AAECC'97 (Toulouse,*

*France, June 23-27, 1997*), volume 1255 of *LNCS*, pages 55–65. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong-Barcelona-Budapest-Milan-Santa Clara-Singapore, 1997.

- [6] Sueli Rodrigues Costa, João Roberto Gerônimo, Jr. Palazzo, Reginaldo, J. Carmelo Interlando, and Marcelo Muniz Silva Alves. The symmetry group of  $z_q^n$  in the lee space and the  $z_q^n$ -linear codes. In Theo Mora and Harold Mattson, editors, *Proceedings of the 12th International Symposium on Applied Algebra, Algebraic Algorithms and Error-Correcting Codes, AAECC'97 (Toulouse, France, June 23-27, 1997)*, volume 1255 of *LNCS*, pages 66–77. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong-Barcelona-Budapest-Milan-Santa Clara-Singapore, 1997.
- [7] Sylvia Encheva. On repeated-root cyclic codes and the two-way chain condition. In Theo Mora and Harold Mattson, editors, *Proceedings of the 12th International Symposium on Applied Algebra, Algebraic Algorithms and Error-Correcting Codes, AAECC'97 (Toulouse, France, June 23-27, 1997)*, volume 1255 of *LNCS*, pages 78–87. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong-Barcelona-Budapest-Milan-Santa Clara-Singapore, 1997.
- [8] D. Grigoriev and A. Slissenko. Computing minimum-link path in a homotopy class amidst semi-algebraic obstacles in the plane. In Theo Mora and Harold Mattson, editors, *Proceedings of the 12th International Symposium on Applied Algebra, Algebraic Algorithms and Error-Correcting Codes, AAECC'97 (Toulouse, France, June 23-27, 1997)*, volume 1255 of *LNCS*, pages 114–129. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong-Barcelona-Budapest-Milan-Santa Clara-Singapore, 1997.
- [9] T. Aaron Gulliver and Masaaki Harada. Certain self-dual codes over  $z_4$  and the odd leech lattice. In Theo Mora and Harold Mattson, editors, *Proceedings of the 12th International Symposium on Applied Algebra, Algebraic Algorithms and Error-Correcting Codes, AAECC'97 (Toulouse, France, June 23-27, 1997)*, volume 1255 of *LNCS*, pages 130–137. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong-Barcelona-Budapest-Milan-Santa Clara-Singapore, 1997.

- [10] Tom Hoholdt, Jacobus H. van Lint, and Ruud Pellikaan. Order functions and evaluation codes. In Theo Mora and Harold Mattson, editors, *Proceedings of the 12th International Symposium on Applied Algebra, Algebraic Algorithms and Error-Correcting Codes, AAECC'97 (Toulouse, France, June 23-27, 1997)*, volume 1255 of *LNCS*, pages 138–150. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong-Barcelona-Budapest-Milan-Santa Clara-Singapore, 1997.
- [11] K.J. Horadam and A.A.I. Perera. Codes from cocycles. In Theo Mora and Harold Mattson, editors, *Proceedings of the 12th International Symposium on Applied Algebra, Algebraic Algorithms and Error-Correcting Codes, AAECC'97 (Toulouse, France, June 23-27, 1997)*, volume 1255 of *LNCS*, pages 151–163. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong-Barcelona-Budapest-Milan-Santa Clara-Singapore, 1997.
- [12] David B. Jaffe. A brief tour of split linear programming. In Theo Mora and Harold Mattson, editors, *Proceedings of the 12th International Symposium on Applied Algebra, Algebraic Algorithms and Error-Correcting Codes, AAECC'97 (Toulouse, France, June 23-27, 1997)*, volume 1255 of *LNCS*, pages 164–173. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong-Barcelona-Budapest-Milan-Santa Clara-Singapore, 1997.
- [13] Frédéric Jean and Pierre-Vincent Koseleff. Elementary approximation of exponentials of lie polynomials. In Theo Mora and Harold Mattson, editors, *Proceedings of the 12th International Symposium on Applied Algebra, Algebraic Algorithms and Error-Correcting Codes, AAECC'97 (Toulouse, France, June 23-27, 1997)*, volume 1255 of *LNCS*, pages 174–188. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong-Barcelona-Budapest-Milan-Santa Clara-Singapore, 1997.
- [14] Jørn M. Jensen. On the  $q$ -ary image of cyclic codes. In Theo Mora and Harold Mattson, editors, *Proceedings of the 12th International Symposium on Applied Algebra, Algebraic Algorithms and Error-Correcting Codes, AAECC'97 (Toulouse, France, June 23-27, 1997)*, volume 1255 of *LNCS*, pages 189–196. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong-Barcelona-Budapest-Milan-Santa Clara-Singapore, 1997.

- [15] Tadao Kasami, Tsukasa Sugita, and Toru Fujiwara. The split weight  $(w_l, w_r)$  enumeration of reed-muller codes for  $w_l + w_r < 2d_{min}$ . In Theo Mora and Harold Mattson, editors, *Proceedings of the 12th International Symposium on Applied Algebra, Algebraic Algorithms and Error-Correcting Codes, AAECC'97 (Toulouse, France, June 23-27, 1997)*, volume 1255 of *LNCS*, pages 197–211. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong-Barcelona-Budapest-Milan-Santa Clara-Singapore, 1997.
- [16] Ivan N. Landjev. Optimal linear codes of dimension 4 over  $gf(5)$ . In Theo Mora and Harold Mattson, editors, *Proceedings of the 12th International Symposium on Applied Algebra, Algebraic Algorithms and Error-Correcting Codes, AAECC'97 (Toulouse, France, June 23-27, 1997)*, volume 1255 of *LNCS*, pages 212–220. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong-Barcelona-Budapest-Milan-Santa Clara-Singapore, 1997.
- [17] Daniel Mall. Characterisations of lexicographic sets and simply-connected hilbert schemes. In Theo Mora and Harold Mattson, editors, *Proceedings of the 12th International Symposium on Applied Algebra, Algebraic Algorithms and Error-Correcting Codes, AAECC'97 (Toulouse, France, June 23-27, 1997)*, volume 1255 of *LNCS*, pages 221–236. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong-Barcelona-Budapest-Milan-Santa Clara-Singapore, 1997.
- [18] Miodrag J. Mihaljević. An iterative probabilistic decoding algorithm for binary linear block codes beyond the half minimum distance. In Theo Mora and Harold Mattson, editors, *Proceedings of the 12th International Symposium on Applied Algebra, Algebraic Algorithms and Error-Correcting Codes, AAECC'97 (Toulouse, France, June 23-27, 1997)*, volume 1255 of *LNCS*, pages 237–249. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong-Barcelona-Budapest-Milan-Santa Clara-Singapore, 1997.
- [19] Miodrag J. Mihaljević. Security examination of a cellular automata based pseudorandom bit generator using an algebraic replica approach. In Theo Mora and Harold Mattson, editors, *Proceedings of the 12th International Symposium on Applied Algebra, Algebraic Algorithms and Error-Correcting Codes, AAECC'97 (Toulouse, France,*

*(Toulouse, France, June 23-27, 1997)*, volume 1255 of *LNCS*, pages 250–262. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong-Barcelona-Budapest-Milan-Santa Clara-Singapore, 1997.

- [20] Alexander A. Nechaev and Alexey S. Kuzmin. Formal duality of linearly presentable codes over a galois field. In Theo Mora and Harold Mattson, editors, *Proceedings of the 12th International Symposium on Applied Algebra, Algebraic Algorithms and Error-Correcting Codes, AAECC'97 (Toulouse, France, June 23-27, 1997)*, volume 1255 of *LNCS*, pages 263–276. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong-Barcelona-Budapest-Milan-Santa Clara-Singapore, 1997.
- [21] Alexander A. Nechaev and Alexey S. Kuzmin. Trace-function on a galois ring in coding theory. In Theo Mora and Harold Mattson, editors, *Proceedings of the 12th International Symposium on Applied Algebra, Algebraic Algorithms and Error-Correcting Codes, AAECC'97 (Toulouse, France, June 23-27, 1997)*, volume 1255 of *LNCS*, pages 277–290. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong-Barcelona-Budapest-Milan-Santa Clara-Singapore, 1997.
- [22] Shojiro Sakata. A vector version of the bms algorithm for implementing fast erasure-and-error decoding of one-point ag codes. In Theo Mora and Harold Mattson, editors, *Proceedings of the 12th International Symposium on Applied Algebra, Algebraic Algorithms and Error-Correcting Codes, AAECC'97 (Toulouse, France, June 23-27, 1997)*, volume 1255 of *LNCS*, pages 291–310. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong-Barcelona-Budapest-Milan-Santa Clara-Singapore, 1997.
- [23] Tomohar Shibuya, Jiro Mizutani, and Kohichi Sakaniwa. On generalized hamming weights of codes constructed on affine algebraic sets. In Theo Mora and Harold Mattson, editors, *Proceedings of the 12th International Symposium on Applied Algebra, Algebraic Algorithms and Error-Correcting Codes, AAECC'97 (Toulouse, France, June 23-27, 1997)*, volume 1255 of *LNCS*, pages 311–320. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong-Barcelona-Budapest-Milan-Santa Clara-Singapore, 1997.
- [24] H. Tapia-Recillas, G. Vega, and E. Daltabuit. Some results on regular mappings. In Theo Mora and Harold Mattson, editors, *Proceedings*

*of the 12th International Symposium on Applied Algebra, Algebraic Algorithms and Error-Correcting Codes, AAECC'97 (Toulouse, France, June 23-27, 1997)*, volume 1255 of *LNCS*, pages 321–328. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong-Barcelona-Budapest-Milan-Santa Clara-Singapore, 1997.

- [25] Joachim von zur Gathen and Michael Nöcker. Exponentiation in finite fields: Theory and practice. In Theo Mora and Harold Mattson, editors, *Proceedings of the 12th International Symposium on Applied Algebra, Algebraic Algorithms and Error-Correcting Codes, AAECC'97 (Toulouse, France, June 23-27, 1997)*, volume 1255 of *LNCS*, pages 88–113. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong-Barcelona-Budapest-Milan-Santa Clara-Singapore, 1997.
- [26] Jay A. Wood. Extension theorems for linear codes over finite rings. In Theo Mora and Harold Mattson, editors, *Proceedings of the 12th International Symposium on Applied Algebra, Algebraic Algorithms and Error-Correcting Codes, AAECC'97 (Toulouse, France, June 23-27, 1997)*, volume 1255 of *LNCS*, pages 329–340. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong-Barcelona-Budapest-Milan-Santa Clara-Singapore, 1997.
- [27] Shutao Xia and Fangwei Fu. Nonperiodic cyclic equivalence classes of cyclic codes and algebraic constructions of cyclically permutable codes. In Theo Mora and Harold Mattson, editors, *Proceedings of the 12th International Symposium on Applied Algebra, Algebraic Algorithms and Error-Correcting Codes, AAECC'97 (Toulouse, France, June 23-27, 1997)*, volume 1255 of *LNCS*, pages 341–352. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong-Barcelona-Budapest-Milan-Santa Clara-Singapore, 1997.