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 docomposition 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 Hohøldt, 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,*

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.