

## References

- [1] M.E. Alonso, I. Luengo, and M. Raimondo. An algorithm on quasi-ordinary polynomials. In Teo Mora, editor, *Proceedings of the 6th International Symposium on Applied Algebra, Algebraic Algorithms and Error-Correcting Codes, AAECC'88 (Rome, Italy, July 4–8, 1988)*, volume 357 of *LNCS*, pages 59–73. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong-Barcelona-Budapest, 1989.
- [2] Jr. Assmus, E.F. The coding theory of finite geometries and designs. In Teo Mora, editor, *Proceedings of the 6th International Symposium on Applied Algebra, Algebraic Algorithms and Error-Correcting Codes, AAECC'88 (Rome, Italy, July 4–8, 1988)*, volume 357 of *LNCS*, pages 1–6. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong-Barcelona-Budapest, 1989.
- [3] Jean-Pierre Barbot. A computer-aided design for sampling a nonlinear analytic system. In Teo Mora, editor, *Proceedings of the 6th International Symposium on Applied Algebra, Algebraic Algorithms and Error-Correcting Codes, AAECC'88 (Rome, Italy, July 4–8, 1988)*, volume 357 of *LNCS*, pages 74–88. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong-Barcelona-Budapest, 1989.
- [4] Sabina Bonamico and Gianna Cioni. Embedding flexible control strategies into object oriented languages. In Teo Mora, editor, *Proceedings of the 6th International Symposium on Applied Algebra, Algebraic Algorithms and Error-Correcting Codes, AAECC'88 (Rome, Italy, July 4–8, 1988)*, volume 357 of *LNCS*, pages 454–457. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong-Barcelona-Budapest, 1989.
- [5] Martin Bossert. Decoding of generalized concatenated codes. In Teo Mora, editor, *Proceedings of the 6th International Symposium on Applied Algebra, Algebraic Algorithms and Error-Correcting Codes, AAECC'88 (Rome, Italy, July 4–8, 1988)*, volume 357 of *LNCS*, pages 89–98. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong-Barcelona-Budapest, 1989.
- [6] Cynthia A. Brown, Larry Finkelstein, and Jr. Purdom, Paul Walton. Backtrack searching in the presence of symmetry. In Teo Mora, edi-

- tor, *Proceedings of the 6th International Symposium on Applied Algebra, Algebraic Algorithms and Error-Correcting Codes, AAecc'88 (Rome, Italy, July 4–8, 1988)*, volume 357 of *LNCS*, pages 99–110. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong-Barcelona-Budapest, 1989.
- [7] Marco Bucci and Adina Di Porto. Fast serial-parallel multipliers. In Teo Mora, editor, *Proceedings of the 6th International Symposium on Applied Algebra, Algebraic Algorithms and Error-Correcting Codes, AAecc'88 (Rome, Italy, July 4–8, 1988)*, volume 357 of *LNCS*, pages 111–121. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong-Barcelona-Budapest, 1989.
- [8] J. Buchmann and M. Pohst. On the complexity of computing class groups of algebraic number fields. In Teo Mora, editor, *Proceedings of the 6th International Symposium on Applied Algebra, Algebraic Algorithms and Error-Correcting Codes, AAecc'88 (Rome, Italy, July 4–8, 1988)*, volume 357 of *LNCS*, pages 122–130. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong-Barcelona-Budapest, 1989.
- [9] Paul Camion. Majority decoding of large repetition codes for the  $r$ -ary symmetric channel. In Teo Mora, editor, *Proceedings of the 6th International Symposium on Applied Algebra, Algebraic Algorithms and Error-Correcting Codes, AAecc'88 (Rome, Italy, July 4–8, 1988)*, volume 357 of *LNCS*, pages 458–466. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong-Barcelona-Budapest, 1989.
- [10] Léandro Caniglia, André Galligo, and Joos Heintz. Some new effectivity bounds in computational geometry. In *Proceedings of the 6th International Symposium on Applied Algebra, Algebraic Algorithms and Error-Correcting Codes, AAecc'88 (Rome, Italy, July 4–8, 1988)*, volume 357 of *LNCS*, pages 131–152. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong-Barcelona-Budapest, 1988.
- [11] Giuseppa Carrà Ferro. Some remarks on the differential dimension. In Teo Mora, editor, *Proceedings of the 6th International Symposium on Applied Algebra, Algebraic Algorithms and Error-Correcting Codes, AAecc'88 (Rome, Italy, July 4–8, 1988)*, volume 357 of *LNCS*, pages 152–163. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong-Barcelona-Budapest, 1989.

- [12] G. Castagnoli. On the asymptotic badness of cyclic codes with block-lengths composed from a fixed set of prime factors. In Teo Mora, editor, *Proceedings of the 6th International Symposium on Applied Algebra, Algebraic Algorithms and Error-Correcting Codes, AA ECC'88 (Rome, Italy, July 4–8, 1988)*, volume 357 of *LNCS*, pages 164–168. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong-Barcelona-Budapest, 1989.
- [13] Attilio Colagrossi and Carla Limongelli. Big numbers  $p$ -adic arithmetic: A parallel approach. In Teo Mora, editor, *Proceedings of the 6th International Symposium on Applied Algebra, Algebraic Algorithms and Error-Correcting Codes, AA ECC'88 (Rome, Italy, July 4–8, 1988)*, volume 357 of *LNCS*, pages 169–180. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong-Barcelona-Budapest, 1989.
- [14] B. Courteau and A. Montpetit. On binary codes of order 3. In Teo Mora, editor, *Proceedings of the 6th International Symposium on Applied Algebra, Algebraic Algorithms and Error-Correcting Codes, AA ECC'88 (Rome, Italy, July 4–8, 1988)*, volume 357 of *LNCS*, pages 467–470. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong-Barcelona-Budapest, 1989.
- [15] Vesselin Drensky and Piroska Lakatos. Monomial ideals, group algebras and error correcting codes. In Teo Mora, editor, *Proceedings of the 6th International Symposium on Applied Algebra, Algebraic Algorithms and Error-Correcting Codes, AA ECC'88 (Rome, Italy, July 4–8, 1988)*, volume 357 of *LNCS*, pages 181–188. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong-Barcelona-Budapest, 1989.
- [16] Ricardo Ferré. Fast integer multiplication by block recursive, number theoretical. In Teo Mora, editor, *Proceedings of the 6th International Symposium on Applied Algebra, Algebraic Algorithms and Error-Correcting Codes, AA ECC'88 (Rome, Italy, July 4–8, 1988)*, volume 357 of *LNCS*, pages 189–200. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong-Barcelona-Budapest, 1989.
- [17] Philippe Flajolet, Bruno Salvy, and Paul Zimmermann. Lambda- $\epsilon$ - $\omega$ : An assistant algorithms analyzer. In Teo Mora, editor, *Proceedings of the 6th International Symposium on Applied Algebra,*

- Algebraic Algorithms and Error-Correcting Codes, AAecc'88 (Rome, Italy, July 4–8, 1988)*, volume 357 of *LNCS*, pages 201–212. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong-Barcelona-Budapest, 1989.
- [18] Tatiana Gateva-Ivanova. Global dimension of associative algebras. In Teo Mora, editor, *Proceedings of the 6th International Symposium on Applied Algebra, Algebraic Algorithms and Error-Correcting Codes, AAecc'88 (Rome, Italy, July 4–8, 1988)*, volume 357 of *LNCS*, pages 213–229. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong-Barcelona-Budapest, 1989.
- [19] Willi Geiselmann and Dieter Gollmann. Symmetry and duality in normal basis multiplication. In Teo Mora, editor, *Proceedings of the 6th International Symposium on Applied Algebra, Algebraic Algorithms and Error-Correcting Codes, AAecc'88 (Rome, Italy, July 4–8, 1988)*, volume 357 of *LNCS*, pages 230–238. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong-Barcelona-Budapest, 1989.
- [20] J. Gutiérrez, T. Recio, and C. Ruiz de Velesco. Polynomial decomposition algorithm of almost quadratic complexity. In Teo Mora, editor, *Proceedings of the 6th International Symposium on Applied Algebra, Algebraic Algorithms and Error-Correcting Codes, AAecc'88 (Rome, Italy, July 4–8, 1988)*, volume 357 of *LNCS*, pages 471–475. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong-Barcelona-Budapest, 1989.
- [21] Werner Henkel. Multiple error correction with analog codes. In Teo Mora, editor, *Proceedings of the 6th International Symposium on Applied Algebra, Algebraic Algorithms and Error-Correcting Codes, AAecc'88 (Rome, Italy, July 4–8, 1988)*, volume 357 of *LNCS*, pages 239–249. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong-Barcelona-Budapest, 1989.
- [22] H.B. Hunt III and R.E. Stearns. On the complexity of satisfiability problems for algebraic structures. In Teo Mora, editor, *Proceedings of the 6th International Symposium on Applied Algebra, Algebraic Algorithms and Error-Correcting Codes, AAecc'88 (Rome, Italy, July 4–8, 1988)*, volume 357 of *LNCS*, pages 250–258. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong-Barcelona-Budapest, 1989.

- [23] Alessandro Logar. A computational proof of the noether normalization lemma. In Teo Mora, editor, *Proceedings of the 6th International Symposium on Applied Algebra, Algebraic Algorithms and Error-Correcting Codes, AAEECC'88 (Rome, Italy, July 4–8, 1988)*, volume 357 of *LNCS*, pages 259–273. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong-Barcelona-Budapest, 1989.
- [24] Jed Marti. A graphics interface to reduce. In Teo Mora, editor, *Proceedings of the 6th International Symposium on Applied Algebra, Algebraic Algorithms and Error-Correcting Codes, AAEECC'88 (Rome, Italy, July 4–8, 1988)*, volume 357 of *LNCS*, pages 274–296. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong-Barcelona-Budapest, 1989.
- [25] Edoardo D. Mastrovito. Vlsi designs for multiplication over finite fields  $gf(2^m)$ . In Teo Mora, editor, *Proceedings of the 6th International Symposium on Applied Algebra, Algebraic Algorithms and Error-Correcting Codes, AAEECC'88 (Rome, Italy, July 4–8, 1988)*, volume 357 of *LNCS*, pages 297–309. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong-Barcelona-Budapest, 1989.
- [26] Jean Francis Michon. Codes and curves. In Teo Mora, editor, *Proceedings of the 6th International Symposium on Applied Algebra, Algebraic Algorithms and Error-Correcting Codes, AAEECC'88 (Rome, Italy, July 4–8, 1988)*, volume 357 of *LNCS*, pages 22–30. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong-Barcelona-Budapest, 1989.
- [27] Preda Mihailescu. A primality test using cyclotomic extensions. In Teo Mora, editor, *Proceedings of the 6th International Symposium on Applied Algebra, Algebraic Algorithms and Error-Correcting Codes, AAEECC'88 (Rome, Italy, July 4–8, 1988)*, volume 357 of *LNCS*, pages 310–323. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong-Barcelona-Budapest, 1989.
- [28] N.M. Nikityuk. The method of syndrome coding and its application for data compression and processing in high energy physics experiments. In Teo Mora, editor, *Proceedings of the 6th International Symposium on Applied Algebra, Algebraic Algorithms and Error-Correcting*

- Codes, AAEEC'88 (Rome, Italy, July 4–8, 1988)*, volume 357 of *LNCS*, pages 324–335. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong-Barcelona-Budapest, 1989.
- [29] G.M. Piacentini Cattaneo. Nonassociative degree five identities not implied by commutativity: A computer approach. In Teo Mora, editor, *Proceedings of the 6th International Symposium on Applied Algebra, Algebraic Algorithms and Error-Correcting Codes, AAEEC'88 (Rome, Italy, July 4–8, 1988)*, volume 357 of *LNCS*, pages 336–340. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong-Barcelona-Budapest, 1989.
- [30] J. Rifà, J.M. Basart, and L. Huguet. On completely regular propelinear codes. In Teo Mora, editor, *Proceedings of the 6th International Symposium on Applied Algebra, Algebraic Algorithms and Error-Correcting Codes, AAEEC'88 (Rome, Italy, July 4–8, 1988)*, volume 357 of *LNCS*, pages 341–355. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong-Barcelona-Budapest, 1989.
- [31] Lorenzo Robbiano. Computer and commutative algebra. In Teo Mora, editor, *Proceedings of the 6th International Symposium on Applied Algebra, Algebraic Algorithms and Error-Correcting Codes, AAEEC'88 (Rome, Italy, July 4–8, 1988)*, volume 357 of *LNCS*, pages 31–44. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong-Barcelona-Budapest, 1989.
- [32] Shojiro Sakata.  $n$ -dimensional berlekamp-massey algorithm for multiple arrays and construction of multivariate polynomials with preassigned zeros. In Teo Mora, editor, *Proceedings of the 6th International Symposium on Applied Algebra, Algebraic Algorithms and Error-Correcting Codes, AAEEC'88 (Rome, Italy, July 4–8, 1988)*, volume 357 of *LNCS*, pages 356–376. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong-Barcelona-Budapest, 1989.
- [33] C.P. Schnorr. The multiplicative complexity of boolean functions. In Teo Mora, editor, *Proceedings of the 6th International Symposium on Applied Algebra, Algebraic Algorithms and Error-Correcting Codes, AAEEC'88 (Rome, Italy, July 4–8, 1988)*, volume 357 of *LNCS*, pages 45–58. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong-Barcelona-Budapest, 1989.

- [34] Juriaan Simonis. Covering radius: Improving on the sphere-covering bound. In Teo Mora, editor, *Proceedings of the 6th International Symposium on Applied Algebra, Algebraic Algorithms and Error-Correcting Codes, AAecc'88 (Rome, Italy, July 4–8, 1988)*, volume 357 of *LNCS*, pages 377–385. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong-Barcelona-Budapest, 1989.
- [35] William Y. Sit. On goldman’s algorithm for solving first-order multinomial autonomous systems. In Teo Mora, editor, *Proceedings of the 6th International Symposium on Applied Algebra, Algebraic Algorithms and Error-Correcting Codes, AAecc'88 (Rome, Italy, July 4–8, 1988)*, volume 357 of *LNCS*, pages 386–395. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong-Barcelona-Budapest, 1989.
- [36] Patrick Solé and Arif Ghafoor. A covering problem in the odd graphs. In Teo Mora, editor, *Proceedings of the 6th International Symposium on Applied Algebra, Algebraic Algorithms and Error-Correcting Codes, AAecc'88 (Rome, Italy, July 4–8, 1988)*, volume 357 of *LNCS*, pages 396–406. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong-Barcelona-Budapest, 1989.
- [37] Walter Spangher. On the computation of hilbert-samuel series and multiplicity. In Teo Mora, editor, *Proceedings of the 6th International Symposium on Applied Algebra, Algebraic Algorithms and Error-Correcting Codes, AAecc'88 (Rome, Italy, July 4–8, 1988)*, volume 357 of *LNCS*, pages 407–414. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong-Barcelona-Budapest, 1989.
- [38] Jacobo Torán. Succinct representations of counting problems. In Teo Mora, editor, *Proceedings of the 6th International Symposium on Applied Algebra, Algebraic Algorithms and Error-Correcting Codes, AAecc'88 (Rome, Italy, July 4–8, 1988)*, volume 357 of *LNCS*, pages 415–426. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong-Barcelona-Budapest, 1989.
- [39] Brigitte Vallée, Marc Girault, and Philippe Toffin. How to guess  $\ell$ -th roots modulo  $n$  by reducing lattice bases. In Teo Mora, editor, *Proceedings of the 6th International Symposium on Applied Algebra, Algebraic Algorithms and Error-Correcting Codes, AAecc'88 (Rome,*

- Italy, July 4–8, 1988*), volume 357 of *LNCS*, pages 427–442. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong-Barcelona-Budapest, 1989.
- [40] J.H. van Lint. Recent results on covering problems. In Teo Mora, editor, *Proceedings of the 6th International Symposium on Applied Algebra, Algebraic Algorithms and Error-Correcting Codes, AAecc'88 (Rome, Italy, July 4–8, 1988)*, volume 357 of *LNCS*, pages 7–21. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong-Barcelona-Budapest, 1989.
- [41] J. Wolfmann. The weights of the orthogonals of certain cyclic codes or extended goppa codes. In Teo Mora, editor, *Proceedings of the 6th International Symposium on Applied Algebra, Algebraic Algorithms and Error-Correcting Codes, AAecc'88 (Rome, Italy, July 4–8, 1988)*, volume 357 of *LNCS*, pages 476–480. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong-Barcelona-Budapest, 1989.
- [42] Kazuhiko Yamaguchi and Hideki Imai. A study on imai-hirakawa trellis-coded modulation schemes. In Teo Mora, editor, *Proceedings of the 6th International Symposium on Applied Algebra, Algebraic Algorithms and Error-Correcting Codes, AAecc'88 (Rome, Italy, July 4–8, 1988)*, volume 357 of *LNCS*, pages 443–453. Springer-Verlag, Berlin-Heidelberg-New York-London-Paris-Tokyo-Hong Kong-Barcelona-Budapest, 1989.