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Disciplina	621.3
Soggetti	Electrical engineering Algorithms Electrical Engineering Communications Engineering, Networks Algorithm Analysis and Problem Complexity
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Nota di contenuto	On the arithmetics of Galoisfields and the like -- On strongly tactical codes -- Integer programming applied to eigenvector computation in a class of Markov processes -- A minimum system of generators for extended cyclic codes which are invariant under the affine group -- Some algebraic tools for error-correcting codes -- On computing the performance probabilities of Reed-Solomon codes -- Numerical experiments related to the covering radius of some first order Reed-Muller codes -- Several aspects of problems encountered in coding applications -- Software simulation of data transmission using error-correcting codes, through an awgn channel -- Algebraic methods for constructing asymmetric cryptosystems -- Covering radii of even subcodes of t-dense codes -- Orthogonal transform encoding of cyclic codes -- On s-sum-sets and projective codes -- Pseudo-triple-sum-sets and association schemes -- A decoding algorithm for linear codes -- The finite Fourier-transform and theta functions -- Recent results on coding and algebraic geometry -- Some properties of elliptic codes over a field of characteristic 2 -- Self-dual codes $2n$ circulant over F_q ($q=2r$) -- Automorphisms and isometries of some modular algebras --

A lower bound for the bilinear complexity of some semisimple lie algebras -- On computational complexity of some algebraic curves over finite fields -- Some group presentations and enforcing the associative law -- Fast computation of linear finite-dimensional operators over arbitrary rings -- Quantifier elimination for real closed fields -- Efficient decision algorithms for locally finite theories -- The algorithmic structure of $sl(2,k)$ -- Optimal algorithms for finite dimensional simply generated algebras -- On a little but useful algorithm -- Computation of independent units in number fields by Dirichlet's method -- Some upper bounds for the multiplicity of an autoreduced subset of N^m and their applications -- Exact computation of the characteristic polynomial of an integer matrix -- An analysis of the Krönecker algorithm for factorization of algebraic polynomials -- Polynomial factorization over $\mathbb{C}[X]$ -- The L-machine: An attempt at parallel hardware for symbolic computation -- An interactive graphical interface for symbolic algebra systems -- Groebner bases for non-commutative polynomial rings -- Extending the binary GCD algorithm -- Integration of rational functions in SAC-2 -- Heuristic bivariate lifting -- Optimal evaluation of algebraic expressions -- On deleting links in semantic graphs -- Erratum.
