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Collana	Lecture Notes in Computer Science, , 0302-9743 ; ; 781
Disciplina	004.0151
Soggetti	Computers Coding theory Information theory Data encryption (Computer science) Combinatorics Electrical engineering Theory of Computation Coding and Information Theory Cryptology Communications Engineering, Networks
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Bibliographic Level Mode of Issuance: Monograph
Nota di contenuto	A necessary and sufficient condition for time-variant convolutional encoders to be noncatastrophic -- On the design and selection of convolutional codes for a bursty Rician channel -- Modulo-2 separable linear codes -- Estimation of the size of the list when decoding over an arbitrarily varying channel -- A lower bound on binary codes with covering radius one -- On some mixed covering codes of small length -- The length function: A revised table -- On the covering radius of convolutional codes -- Efficient multi-signature schemes for cooperating entities -- Montgomery-suitable cryptosystems -- Secret sharing schemes with veto capabilities -- Group-theoretic hash functions -- On constructions for optimal optical orthogonal codes -- On complementary sequences -- Spectral-null codes and null spaces of

Hadamard submatrices -- On small families of sequences with low periodic correlation -- Disjoint systems (Extended abstract) -- Some sufficient conditions for 4-regular graphs to have 3-regular subgraphs -- Detection and location of given sets of errors by nonbinary linear codes -- Quaternary constructions of formally self-dual binary codes and unimodular lattices -- New lower bounds for some spherical designs -- Lattices based on linear codes -- Quantizing and decoding for usual lattices in the L_p -metric -- Bounded-distance decoding of the Leech lattice and the Golay code -- Some restrictions on distance distribution of optimal binary codes -- Two new upper bounds for codes of distance 3 -- On Plotkin-Elias type bounds for binary arithmetic codes -- Bounds on generalized weights -- Threshold effects in codes -- Decoding a bit more than the BCH bound -- Product codes and the singleton bound -- Erasure correction performance of linear block codes.

Sommario/riassunto

This volume presents the proceedings of the first French-Israeli Workshop on Algebraic Coding, which took place in Paris in July 1993. The workshop was a continuation of a French-Soviet Workshop held in 1991 and edited by the same board. The thoroughly refereed papers in this volume are grouped into parts on: convolutional codes and special channels, covering codes, cryptography, sequences, graphs and codes, sphere packings and lattices, and bounds for codes.
