

| | |
|-------------------------|--|
| 1. Record Nr. | UNINA9910788645003321 |
| Titolo | Finite fields : theory, applications, and algorithms / / Second International Conference on Finite Fields, Theory, Applications, and Algorithms, August 17-21, 1993, Las Vegas, Nevada ; Gary L. Mullen, Peter Jau-Shyong Shiue, editors |
| Pubbl/distr/stampa | Providence, Rhode Island : , : American Mathematical Society, , [1994] ©1994 |
| ISBN | 0-8218-7759-3 0-8218-5505-0 |
| Descrizione fisica | 1 online resource (xxx, 402 p.) |
| Collana | Contemporary mathematics, ; 168 , 0271-4132 |
| Disciplina | 512.3 |
| Soggetti | Finite fields (Algebra) |
| Lingua di pubblicazione | Inglese |
| Formato | Materiale a stampa |
| Livello bibliografico | Monografia |
| Note generali | Bibliographic Level Mode of Issuance: Monograph |
| Nota di bibliografia | Includes bibliographical references. |
| Nota di contenuto | Tools for coset weight enumerators of some codes / Pascale Charpin -- Algebraic decoding of cyclic codes: A polynomial ideal point of view / Xuemin Chen, I.S. Reed, T. Helleseth and T.K. Truong -- Polynomial factorisation, graphs, designs and codes / Stephen D. Cohen -- Character sums as orthogonal eigenfunctions of adjacency operators for Cayley graphs / Ronald Evans -- Combinatorial cryptosystems galore! / Michael Fellows and Neal Koblitz -- A family of cryptosystems based on combinatorial properties of finite geometries / Raul Figueroa, Pablo M. Salzberg and Peter Jau-Shyong Shiue -- Global construction of general exceptional covers / Michael D. Fried -- Berlekamp's and Niederreiter's polynomial factorization algorithms / Shuhong Gao and Joachim von zur Gathen -- Hasse-Teichmuller derivatives and products of linear recurring sequences / Rainer Gottfert and Harald Niederreiter -- Factors of period polynomials for finite fields, II / S. Gurak. A characterization of some ternary codes meeting the Griesmer bound / Noboru Hamada and Tor Helleseth -- Projective geometry codes over prime fields / J.W.P. Hirschfeld and R. Shaw -- Codes over Eisenstein-Jacobi integers / Klaus Huber -- Points on Fermat curves over finite fields / Hubert Kiechle -- Lengths of factorizations for polynomials over a finite field / A. Knopfmacher, J. Knopfmacher and R. Warlimont |

-- A note on Weil representation of $\mathrm{SL}[subscript 2](F[q])$ and Soto-Andrade sums / Jinghua Kuang -- Some sequences with good autocorrelation properties / Philippe Langevin -- Pellian equation conjecture and absolutely nonsingular projective varieties over a finite field -- Hecke operator and Pellian equation conjecture (IV) / Hongwen Lu -- Strong pseudoprimes and generalized Carmichael numbers / Rex Matthews -- Transformations of 4-regular graphs and equations over finite fields of Chevalley-Warning type / Oscar Moreno and Victor A. Zinoviev.

New examples of exceptional polynomials / Peter Muller -- New deterministic factorization algorithms for polynomials over finite fields / Harald Niederreiter -- Discrete logarithms and smooth polynomials / A.M. Odlyzko -- Parents, children, neighbors and the shadow / Vera Pless -- The knapsack problem in cryptography / Minghua Qu and S.A. Vanstone -- Iterated constructions of normal bases over finite fields / Alfred Scheerhorn -- Periodicity properties of kth order linear recurrences whose characteristic polynomial splits completely over a finite field, I / Lawrence Somer -- Generalized Welch-Costas sequences and their application to Vatican arrays / Hong Y. Song and Solomon W. Golomb -- Nonisomorphic complete sets of F-rectangles with varying numbers of symbols / Stephan J. Suchower -- A method of designing cellular automata as pseudorandom number generators for built-in self-test for VLSI / Shu Tezuka and Masanori Fushimi -- Finite ring sums from p-adic K-Bessel functions / Cynthia E. Trimble. On the Gross-Koblitz formula / Paul Thomas Young -- New results on diagonal equations over finite fields from cyclic codes / Jacques Wolfmann -- Open problems and conjectures / Klaus Huber, Ilene H. Morgan, Gary L. Mullen, Harald Niederreiter, A. Odlyzko, Johan van Tilburg and Daqing Wan.
