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ISBN	0-8218-8197-3 0-8218-4786-4
Descrizione fisica	1 online resource (394 p.)
Collana	Contemporary mathematics ; ; 518
Disciplina	512/.3
Soggetti	Finite fields (Algebra) Arithmetical algebraic geometry Number theory Coding theory Electronic books.
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Description based upon print version of record.
Nota di bibliografia	Includes bibliographical references.
Nota di contenuto	""Contents""; ""Preface""; ""Construction of new toric quantum codes""; ""On the calculation of the linear complexity of periodic sequences""; ""A few more functions that are not APN infinitely often""; ""An APN permutation in dimension six""; ""CCZ-equivalence of single and multi output Boolean functions""; ""Structural weaknesses of permutations with a low differential uniformity and generalized crooked functions""; ""Solvability of systems of polynomial equations with some prescribed monomials""; ""Character sums in finite fields"" ""Monomial functions with linear structure and permutation polynomials""""Primitive elements on lines in extensions of finite fields""; ""Commutative semifields of order 243 and 3125""; ""Normal elliptic bases and torus-based cryptography""; ""Unitary superperfect binary polynomials""; ""Shift-invariant polynomials and Ritts Second Theorem""; ""Waring's problem in finite fields with Dickson polynomials""; ""Jacobi sums and irreducible polynomials with prescribed trace and restricted norm""; ""A family of binary sequences

from interleaved construction and their cryptographic properties""  
""Sziklai's conjecture on the number of points of a plane curve over a  
finite field  $\mathbb{F}_q$ "" ""Folded algebraic-geometric codes from Galois  
extensions""; ""A multilinear generalization of the Tate pairing""; ""The  
merit factor of binary sequence families constructed from  $m$ -  
sequences""; ""Intractable problems in cryptography""; ""Modular curves  
and coding theory: A survey""; ""Minimal generating sets of Weierstrass  
semigroups of certain  $m$ -tuples on the norm-trace function field"";  
""On the zeta functions of an optimal tower of function fields over  $\mathbb{F}_4$ ""  
""The asymptotic theory of algebraic-geometry codes"" ""A spectrum  
result on maximal partial ovoids of the generalized quadrangle  $Q(4, q)$ ,  
 $q$  odd""; ""Cyclic codes aspects of bent functions""

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