

1. Record Nr.	UNISA996466624703316
Autore	Schmidt Bernhard
Titolo	Characters and Cyclotomic Fields in Finite Geometry [[electronic resource] /] / by Bernhard Schmidt
Pubbl/distr/stampa	Berlin, Heidelberg : , : Springer Berlin Heidelberg : , : Imprint : Springer, , 2002
ISBN	3-540-45797-6
Edizione	[1st ed. 2002.]
Descrizione fisica	1 online resource (VIII, 108 p.)
Collana	Lecture Notes in Mathematics, , 0075-8434 ; ; 1797
Classificazione	05B30 05B10 05B25
Disciplina	516.13
Soggetti	Combinatorics
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 and index.
Nota di contenuto	1. Introduction: The nature of the problems -- The combinatorial structures in question -- Group rings, characters, Fourier analysis -- Number theoretic tools -- Algebraic-combinatorial tools. 2. The field descent: The fixing theorem -- Prescribed absolute value -- Bounding the absolute value -- The modulus equation and the class group. 3. Exponent bounds: Self-conjugacy exponent bounds -- Field descent exponent bounds. 4. Two-weight irreducible cyclic bounds: A necessary and sufficient condition -- All two-weight irreducible cyclic codes?- Partial proof of Conjecture 4.2.4 -- Two-intersection sets and sub-difference sets.
Sommario/riassunto	This monograph contributes to the existence theory of difference sets, cyclic irreducible codes and similar objects. The new method of field descent for cyclotomic integers of prescribed absolute value is developed. Applications include the first substantial progress towards the Circulant Hadamard Matrix Conjecture and Ryser's conjecture since decades. It is shown that there is no Barker sequence of length l with $13 < l < 4 \times 10^{12}$. Finally, a conjecturally complete classification of all irreducible cyclic two-weight codes is obtained.

2. Record Nr.	UNISALENTO991003861109707536
Autore	Vertecchi, Benedetto
Titolo	Una cultura per la scuola media / a cura di Benedetto Vertecchi
Pubbl/distr/stampa	Firenze : La nuova Italia, 1987
ISBN	8822104099
Descrizione fisica	XII, 139 p. ; 21 cm.
Collana	Educatori antichi e moderni ; 416
Disciplina	373.13
Soggetti	Scuola media - Didattica
Lingua di pubblicazione	Italiano
Formato	Materiale a stampa
Livello bibliografico	Monografia