1. Record Nr. UNINA9910480985703321

Titolo	Arithmetic, geometry, cryptography and coding theory : 13th Conference on Arithmetic, Geometry, Cryptography and Coding Theory, March 14-18, 2011, CIRM, Marseille, France : Geocrypt 2011, June 19-24, 2011, Bastia, France / / Yves Aubry, Christophe Ritzenthaler, Alexey Zykin, editors
Pubbl/distr/stampa	Providence, Rhode Island : , : American Mathematical Society, , [2012] ©2012
ISBN	0-8218-9027-1
Descrizione fisica	1 online resource (194 p.)
Collana	Contemporary mathematics ; ; volume 574
Disciplina	510
Soggetti	Abelian varieties Dimension theory (Algebra) 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	""Preface""; ""Construction of a \ -complete addition law on Jacobians of hyperelliptic curves of genus two""; ""1. Introduction""; ""2. Construction""; ""Appendix A. Operation count""; ""References""; ""Number of points in an Artin-Schreier covering""; ""Introduction""; ""1. Number of points in Artin-Schreier coverings: Weil bound""; ""2. Study of an etale sheaf attached to a family of exponential sums""; ""3. Cohomology spaces, and the proof of the theorem""; ""4. Global monodromy, and a refinement of the theorem""; ""References"" ""Some more functions that are not APN infinitely often. The case of Gold and Kasami exponents""""1. Introduction""; ""2. Preliminaries""; ""3. Some functions that are not APN infinitely often""; ""4. Polynomials of Kasami degree""; ""5. Binomials that are not APN infinitely often""; ""References""; ""Rational curves with many rational points over a finite field""; ""1. Introduction""; ""2. Arithmetic of the curve ""; ""3. Geometry of with _{ }-lines, for odd""; ""4. Geometry of with _{ }-lines, for even""; ""5. Codes from Ballico-Hefez curves"" ""6. Generalization of the curve """"References""; ""Enumeration of Splitting Subspaces over Finite Fields""; ""1. Introduction""; ""2. Easy

cases and guesses""; ""3. Splitting planes""; ""4. Refinements and Extensions""; ""Appendix A. Vector Recurrences and Singer Cycles""; ""References""; ""The characteristic polynomials of abelian varieties of dimension 4 over finite fields""; ""1. Introduction and results""; ""2. The coefficients of Weil polynomials of degree 8""; ""3. Newton polygons""; ""4. Supersingular case""; ""Acknowledgements""; ""References"" ""Degree growth, linear independence and periods of a class of rational dynamical systems""