

1. Record Nr.	UNINA9910480576503321
Autore	Aitken Wayne <1963->
Titolo	An arithmetic Riemann-Roch theorem for singular arithmetic surfaces / / Wayne Aitken
Pubbl/distr/stampa	Providence, Rhode Island : , : American Mathematical Society, , 1996 ©1996
ISBN	1-4704-0158-4
Descrizione fisica	1 online resource (189 p.)
Collana	Memoirs of the American Mathematical Society, , 0065-9266 ; ; Volume 120, Number 573
Disciplina	512/.74
Soggetti	Arithmetical algebraic geometry Riemann-Roch theorems Electronic books.
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	"March 1996, volume 120, number 573 (first of 4 numbers)."
Nota di bibliografia	Includes bibliographical references.
Nota di contenuto	""Contents""; ""Chapter 1. The Intersection Pairing for One-Dimensional Schemes""; ""1. Preliminaries""; ""2. The Determinant of Cohomology Functor""; ""3. The Norm Functor for Zero-Dimensional Schemes""; ""4. The Definition of the Intersection Pairing""; ""5. The Intersection Pairing and Norms""; ""6. The Norm Functor for Divisors""; ""7. Other Properties of the Intersection Pairing""; ""8. Extensions of the Base Field""; ""Chapter 2. The Intersection Pairing for Families of One-dimensional Schemes""; ""1. Introduction""; ""2. Horizontal Divisors""; ""3. The Norm Functor"" ""4. The Intersection Pairing""""5. The Determinant of Cohomology Line Bundle""; ""6. Flat Base Change""; ""Chapter 3. The Riemann-Roch Isomorphism""; ""1. The Relative Dualizing Sheaf""; ""2. The Adjunction Formula""; ""3. The Duality Isomorphism on Determinants""; ""4. The Riemann-Roch Isomorphism""; ""Chapter 4. Intersection Functions on Complex Curves""; ""1. Motivation: The Non-Archimedean Situation""; ""2. The Archimedean Case: Basic Definitions""; ""3. Intersection Functions on Nonsingular Curves""; ""4. Intersection Functions on Singular Curves: The Existence Theorem"" ""5. Classification of Intersection Functions: Preliminaries""""6. Classification of Intersection Functions""; ""7. Chern Forms of

Intersection Functions""; ""8. Chern Forms of Intersection Functions:
Proofs""; ""9. Chern Forms of Intersection Functions: Another
Interpretation""; ""Chapter 5. The Arithmetic Riemann-Roch
Isomorphism""; ""1. Norms for Determinants of Cohomology""; ""2. The
Riemann-Roch Isomorphism for Arithmetic Surfaces""; ""Bibliography""
