1. Record Nr. UNINA9910811765303321

Autore	Moreno Carlos J.
Titolo	Advanced analytic number theory . Part 1 Ramification theoretic methods / / Carlos J. Moreno
Pubbl/distr/stampa	Providence, Rhode Island : , : American Mathematical Society, , [1983] ©1983
ISBN	0-8218-7601-5
Descrizione fisica	1 online resource (202 p.)
Collana	Contemporary mathematics, , 0271-4132 ; ; 15
Disciplina	512/.7
Soggetti	Number theory Algebraic fields
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 and index.
Nota di contenuto	""Contents""; ""Preface""; ""Chapter 0. Introduction""; ""A1. A historical perspective""; ""A2. The explicit formulas: motivation""; ""Chapter I. Galois Theory for Infinite Extensions""; ""A1. Fundamental Theorem of Galois Theory for infinite extensions""; ""A2. Topological properties of Gal(K'/K)""; ""A3. Example""; ""Chapter II. Projective Limits""; ""A1. Basic definitions""; ""A2. Examples""; ""A3. Homomorphisms""; ""Chapter III. Elementary Theory of l-adic Integration""; ""A1. Distributions and measures""; ""A2. Measures on groups""; ""A3. Riemann sums"" ""A4. l-adic Haar measures""""A5. Examples""; ""Chapter IV. Ramification Theory""; ""A1. The v-function""; ""A2. Transitivity properties of the v-function""; ""A3. The different""; ""A4. Transitivity properties of the different""; ""A5. Complementary basis""; ""A6. Fundamental inequality and the C-invariant""; ""A7. Quotients of Galois groups and Herbrand's Theorem""; ""Chapter V. Multiplicative versus Additive Reduction""; ""A1. The case of a local field""; ""A2. The module structure of the unit group""; ""A3. The case of an elliptic curve"" ""Chapter VI. Ramification of Abelian Extensions""""A1. Index computations""; ""A2. Main Theorem""; ""Chapter VII. The Weil Groups of a Local Field""; ""A1. The Frobenius automorphism""; ""A2. The relative Weil group of a non-archimedean local field""; ""A3. The absolute Weil group""; ""A4. The Weil group of an archimedean local field""; ""A5. The Weil-Deligne group""; ""Appendix: The non-abelian

local reciprocity law""; ""Chapter VIII. Shafarevitch's Theorem""; ""A1. Representations of a simple algebra""; ""A2. Factor sets""; ""A3. Subalgebras of central simple algebras""
""A4. Cyclic algebras""""""A5. Algebras and group extensions""; ""A6. Powers of central simple algebras""; ""A7. Generators of the Brauer group""; ""A8. Structure of the relative Weil group""; ""A9. Shafarevitch's Theorem""; ""Appendix: I. The Brauer group of central 'simple algebras over K""; ""II. The group H2(G,Kxs)""; ""Chapter IX. The Herbrand Distribution""; ""A1. The Herbrand distribution: definition and basic facts""; ""A2. The support of the Herbrand distribution""; ""A3. Determination of the Herbrand distribution on Gal(Kab/K)""
""A4. Functoriality properties of the Herbrand distribution""""""A5. The Herbrand distribution and measures on the Weil group""; ""A6. The integral formula for the Herbrand distribution""; ""A7. Conductors, the Artin representation, and the Herbrand distribution""; ""Bibliography""; ""Index""; ""C""; ""D""; ""E""; ""F""; ""G""; ""H""; ""I""; ""L""; ""M""; ""P""; ""R""; ""S""; ""T""; ""w""