

The goal of this book is to present local class field theory from the cohomological point of view, following the method inaugurated by Hochschild and developed by Artin-Tate. This theory is about extensions—primarily abelian—of local (i.e., complete for a discrete valuation) fields with finite residue field. For example, such fields are obtained by completing an algebraic number field; that is one of the aspects of localisation. The chapters are grouped in parts. There are three preliminary parts: the first two on the general theory of local fields, the third on group cohomology. Local class field theory, strictly speaking, does not appear until the fourth part. Here is a more precise outline of the contents of these four parts: The first contains basic definitions and results on discrete valuation rings, Dedekind domains (which are their globalisation) and the completion process. The prerequisite for this part is a knowledge of elementary notions of algebra and topology, which may be found for instance in Bourbaki. The second part is concerned with ramification phenomena (different, discriminant, ramification groups, Artin representation). Just as in the first part, no assumptions are made here about the residue fields. It is in this setting that the norm map is studied; I have expressed the results in terms of additive polynomials and of multiplicative polynomials, since using the language of algebraic geometry would have led me too far astray.

Yun-Fei Ji: Water Work, Strategic Leadership and Management in Nonprofit Organizations, Presidential Praise: Our Presidents and Their Hymns, Map Maneuvers, Fire (Read about), Slave Spirituals and the Jubilee Singers, Feel Better: How to lead a happier life by understanding your emotions, The Marines Have Landed - Famous People in Government and Business Who Served in the Corps,

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Author: Jean-Pierre Serre. Local Fields (Graduate Texts in Mathematics). Title: Local Fields (Graduate Texts in Mathematics). USED LN Fourier Series . 26 Nov - 5 sec PDF Download Local Fields Graduate Texts in Mathematics PDF Online. 3 years ago 1 views. In mathematics, a field is a set on which addition, subtraction, multiplication, and division are These two types of local fields share some fundamental similarities. .. Eisenbud, David (), Commutative algebra with a view toward algebraic geometry, Graduate Texts in Mathematics, , New York: Springer- Verlag. 1 Topological Groups.- 2 Some Representation Theory.- 3 Duality for Locally Compact Abelian Groups.- 4 The Structure of Arithmetic Fields.- 5 Adeles, Ideles .

This is a comprehensive text which includes class field theory as well as various Serre, Jean-Pierre, ``Local Fields, Graduate Texts in Mathematics, Springer.

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