

# Galois Module Structure

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Hopf-Galois Theory and Galois Module Structure - University of Exeter readings back are if the download galois module structure of algebraic integers helps regular and claims the analysis. sign watch to communicate for thorough Galois module structure, by Victor P. Snaith, Fields Institute On local Galois module structure for cyclic extensions of prime degree. Candidate: Marta Lucchini. Thesis Advisor: Dr. Bart de Smit. Academic year: 2011-2012 Canonical Nonclassical Hopf-Galois Module Structure of . Exact sequences and Galois module structure. By TED CHINBURG. I. Introduction. Let  $N/K$  be a finite normal extension of number fields and let  $G = \text{Gal}(N/K)$ . Komatsu, Nakano : On the Galois module structure of ideal class . We study the relation between the global Galois module structure of the ring of integers  $\mathcal{O}_N$  and semi-local Galois structure of  $E$ . We define an invariant Galois module structure of elliptic curves over number fields by . GALOIS MODULE STRUCTURE IN WEAKLY RAMIFIED 3-EXTENSIONS. STÉPHANE VINATIER. 1. Introduction. Let  $p$  be an odd prime number,  $N$  a finite Galois Module Structure of Algebraic Integers A. Fröhlich Springer Introduction. The Galois module structure of the ring of integers in ramified  $C_p$ -extensions of local fields  $L/K$  of characteristic  $p$  was studied in [Aib03], [dST07]. Galois module structure for wild extensions - Institut de . For a different approach to the problem of wild Galois module structure, based on Frohlich's notion of factorisability, the reader is referred to the forthcoming . Multiplicative Galois Module Structure - Google Books Result

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Galois module structure of abelian extensions. Dedicated to Albrecht Fröhlich on his 70th birthday. By Leon R. McCulloh\*) at Urbana. Introduction. Galois module - Wikipedia 20 Dec 2013 . For a finite, totally ramified Galois extension  $L/K$  (of prime degree  $p$ ) of local fields of characteristic  $p$ , we investigate the embedding dimension of Hopf-Galois module structure of tame  $C_p \times C_p$  . - Keele University (for the Galois module structure of the ring of integers in a tame extension), we consider . Keywords: Galois module, square-root of the inverse different, weakly Galois scaffolds and Galois module structure in extensions of . Hopf-Galois module structure of tame  $C_p \times C_p$  extensions par Paul J. Truman. Résumé. Soient  $p$  un nombre premier impair,  $K$  un corps de nombres contenant Galois Module Structure (Fields Institute Monographs): Victor P. Snaith, Ed. by Colding, Tobias / Huybrechts, Daniel / Hwang, Jun-Muk / Williamson, Geordie. 12 Issues per year. IMPACT FACTOR 2016: 1.481 CiteScore 2016: 0.76 Galois Module Structure - Google Books Result ISBN 978-3-642-68818-8. In this volume we present a survey of the theory of Galois module structure for rings of algebraic integers. GALOIS MODULE STRUCTURE OF . - Semantic Scholar The subject of arithmetic Galois module structure is concerned with the study of the structure of various naturally occurring objects as modules over group rings of Galois groups. The simplest example of this is the normal basis theorem, which is usually encountered in a first course on Galois theory. Local Galois Module Structure in Characteristic  $p$  Galois module structure for wild extensions. Ph. Cassou-Noguères. ? . M.J. Taylor. †. ?Laboratoire A2X, Université Bordeaux1, 351 cours de la Libération, ?ON THE INTEGRAL GALOIS MODULE STRUCTURE OF CYCLIC . T. [1g83] On the Galois structure of algebraic integers and  $S$ -units. Inventiones Math., 74, 321-34g. [1g85] Exact sequences and Galois module structure. galois module structure of galois cohomology a dissertation . 17 Oct 2014 . This may be viewed as being a partial analogue of a classical theorem of Shafarevich on the inverse Galois problem for soluble groups in the Exact Sequences and Galois Module Structure - Jstor The class-invariant homomorphism allows one to measure the Galois module structure of extensions obtained by dividing points on abelian varieties. Archive ouverte HAL - Galois module structure and Jacobians of . A co-authored text, providing an accessible transition from Kummer theory to Galois module structure, will introduce the subject to a wider audience, treating the . On the relative Galois module structure of rings of integers in tame . Galois module structure of algebraic integers. In classical algebraic number theory, let  $L$  be a Galois extension of a field  $K$ , and let  $G$  be the corresponding Galois group. Then the ring  $\mathcal{O}_L$  of algebraic integers of  $L$  can be considered as an  $OK[G]$ -module, and one can ask what its structure is. Galois Module Structure of Algebraic Integers - Google Books Result J. of Algebra 50 (1978), 463-487 Taylor, M. J.: Adams operations, local root numbers and Galois module structure of rings of integers. Proc. London Math. Soc. Galois module structure of elementary abelian extensions . 16 Jul 2014 . If  $L$  is a weakly ramified  $p$ -Galois algebra, then its square root of the inverse different is a locally free  $\mathcal{O}_L$ -module and hence determines a class in the The Galois-module structure of the space of holomorphic . Galois module structure deals with the construction of algebraic invariants from a Galois extension of number fields with group  $G$ . Typically these invariants lie GALOIS MODULE STRUCTURE IN WEAKLY RAMIFIED 3 . 6 Jul 2015 . A workshop on Hopf-Galois Theory and Galois Module Structure took Tuesday 23rd June to Friday 26th June 2015 at the University of Exeter. NSF Award Search: Award#0600122 - RUI: Galois Module Structure . Abstract: We strengthen results of Miyata on the integral Galois module structure of totally ramified cyclic Kummer extensions  $K$  of degree  $pn$  of a  $p$ -adic field  $k$ . On local

Galois module structure for cyclic extensions of  $\mathbb{Q}$ . - algant On the Galois module structure of ideal class groups. Toru Komatsu and Shin. A cup product in the Galois cohomology of number fields McCallum, William G. Download Galois Module Structure Of Algebraic  $\mathbb{Z}[G]$  - DOSAM SRL In Chapter 4 we use results from Chapter 3 to give the Galois module structure of the cohomology groups of a  $p$ -adic extension containing appropriate roots of  $\zeta_n$ . [1407.4175] On the Galois module structure of the square root of the Burns, D. and Flach, M. [1995] Motivic L-functions and Galois module structures, Math. Ann., to appear. Burns, D. and Holland, D. [1993] Chinburg's third Galois module structure of holomorphic differentials Bulletin of the  $\mathbb{Z}[G]$ . Let  $L/K$  be a finite Galois extension of local or global fields in any characteristic with nonabelian Galois group  $G$ , and let  $\mathfrak{p}$  be an ambiguous ideal of  $L$ . We show Self-Dual Integral Normal Bases and Galois Module Structure Let  $K$  be an algebraic number field,  $\mathbb{Z}[\frac{1}{n}]$  its ring of integers, and  $G$  an elementary abelian group of order  $l \mid n$ . In this article, we determine which classes in the On the Galois Module Structure of Rings of Integers of Wild Abelian  $\mathbb{Z}[G]$ . 27 May 2010 . Abstract. — We present a survey of the theory of Galois module structure for extensions of local fields. Let  $L/K$  be a finite Galois extension of ON THE GALOIS MODULE STRUCTURE OF EXTENSIONS OF  $\mathbb{Z}[G]$ . Let  $N/K$  be a Galois extension of number fields with group  $G$  which is unramified at  $\mathfrak{p}$ . the Galois module structure of abelian covers even when we allow some Galois module structure of abelian extensions - De Gruyter ?Galois module structure of holomorphic differentials - Volume 62 Issue 3 - Martha Rzedowski-Calderón, Gabriel Villa-Salvador, Manohar L. Madan.