

algebraic k theory papers pdf

ROTATION INVARIANCE IN ALGEBRAIC K-THEORY 3 the double suspension equivalence $2 \hat{\pi} \mathbb{C} \hat{\pi} \mathbb{C}$. Theorem 1.1.1 immediately implies that the composite map $S^1 \xrightarrow{e} \mathbb{C} \text{CatSt} \hat{\pi} \mathbb{C}$ is nullhomotopic, so that the double suspension equivalence $2 \hat{\pi} \mathbb{C} \hat{\pi} \mathbb{C}$ induces a map $K(\mathbb{C}) \hat{\pi} K(\mathbb{C})$ which is homotopic to the identity.

ROTATION INVARIANCE IN ALGEBRAIC K-THEORY Contents

pdf: Rotation Invariance in Algebraic K-Theory. This paper discusses the paracyclic Waldhausen construction for stable infinity-categories and shows that its failure to descend to a cyclic construction is "measured" by a certain map constructed geometrically from Bott periodicity and the complex J-homomorphism.

Jacob Lurie's Home Page - Harvard Mathematics Department

in Weibel's book on algebraic K-theory, yet to arrive in print [16], and Thomason's paper on algebraic K-theory and étale cohomology [13]. All theorems used directly in this paper will be stated in their original generality

Galois Cohomology and Algebraic K-theory of Finite Fields

ALGEBRAIC K-THEORY 195 the requirement $K_n R = 0$ for free R . This resembles the effacability axiom of homological algebra [18] and suggests defining K_n by taking the derived functors of $GL(\hat{\pi})$. Since this is nonabelian, we have to use simplicial methods.

Algebraic K-theory | Khadija Azi - Academia.edu

HIGHER ALGEBRAIC K-THEORY OF SCHEMES 249 theory of perfect complexes on schemes from [SGA 6]. The expert might skip this, but should look at the characterization of perfect complexes as finitely presented objects 2.4, the fact that a complex with quasi-coherent cohomology on a nice scheme is a direct colimit of perfect complexes 2.3,

Higher Algebraic K-Theory of Schemes and of Derived Categories

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Quillen was able to calculate the K-theory of finite fields with this definition, and Borel calculated the ranks of the rational K-groups of the ring of integers in a number field (=finite extension of \mathbb{Q}).

Algebraic K-theory - Semantic Scholar

DEVELOPMENTS IN ALGEBRAIC K-THEORY AND QUADRATIC FORMS AFTER THE WORK OF MILNOR A. MERKURJEV In the book [21] Milnor introduced the K_2 -groups for arbitrary rings. Milnor's discovery of K_2 using partly Steinberg's ideas of universal central extensions turned out to be a truly revolutionary step.

DEVELOPMENTS IN ALGEBRAIC K-THEORY AND QUADRATIC FORMS

7V Higher algebraic K-theory: I Daniel Quillen* The purpose of this paper is to develop a higher K-theory for additive categories with exact sequences which extends the existing theory of the Grothendieck group in a

natural way. To describe the approach taken here, let M be an additive category

7V Higher algebraic K-theory: I - MIT Mathematics

Vector Bundles and K-Theory. This unfinished book is intended to be a fairly short introduction to topological K-theory, starting with the necessary background material on vector bundles and including also basic material on characteristic classes.

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