



The Local Structure of Algebraic K-Theory

By Bjørn Ian Dundas

Springer Okt 2014, 2014. Taschenbuch. Book Condition: Neu. 235x155x24 mm. This item is printed on demand - Print on Demand Titel. Neuware - Algebraic K-theory encodes important invariants for several mathematical disciplines, spanning from geometric topology and functional analysis to number theory and algebraic geometry. As is commonly encountered, this powerful mathematical object is very hard to calculate. Apart from Quillen's calculations of finite fields and Suslin's calculation of algebraically closed fields, few complete calculations were available before the discovery of homological invariants offered by motivic cohomology and topological cyclic homology. This book covers the connection between algebraic K-theory and Bökstedt, Hsiang and Madsen's topological cyclic homology and proves that the difference between the theories are locally constant. The usefulness of this theorem stems from being more accessible for calculations than K-theory, and hence a single calculation of K-theory can be used with homological calculations to obtain a host of nearby calculations in K-theory. For instance, Quillen's calculation of the K-theory of finite fields gives rise to Hesselholt and Madsen's calculations for local fields, and Voevodsky's calculations for the integers give insight into the diffeomorphisms of manifolds. In addition to the proof of the full integral version of the...



READ ONLINE
[2.6 MB]

Reviews

Most of these pdf is the greatest pdf available. It is really basic but excitement inside the fifty percent from the ebook. Your daily life span will likely be convert as soon as you complete reading this article ebook.

-- **Juwan Welch Sr.**

Most of these book is the perfect pdf readily available. It normally will not expense a lot of. I found out this pdf from my dad and i recommended this publication to find out.

-- **Dejuan Yost**