



The Local Structure of Algebraic K-Theory: 18 (Algebra and Applications)

Bjørn Ian Dundas, Thomas G. Goodwillie, Randy McCarthy

Download now

[Click here](#) if your download doesn't start automatically

The Local Structure of Algebraic K-Theory: 18 (Algebra and Applications)

Bjørn Ian Dundas, Thomas G. Goodwillie, Randy McCarthy

The Local Structure of Algebraic K-Theory: 18 (Algebra and Applications) Bjørn Ian Dundas, Thomas G. Goodwillie, Randy McCarthy

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 local correspondence between K-theory and topological cyclic homology, the book provides an introduction to the necessary background in algebraic K-theory and highly structured homotopy theory; collecting all necessary tools into one common framework. It relies on simplicial techniques, and contains an appendix summarizing the methods widely used in the field. The book is intended for graduate students and scientists interested in algebraic K-theory, and presupposes a basic knowledge of algebraic topology.

 [Download The Local Structure of Algebraic K-Theory: 18 \(Alg ...pdf](#)

 [Read Online The Local Structure of Algebraic K-Theory: 18 \(A ...pdf](#)

Download and Read Free Online The Local Structure of Algebraic K-Theory: 18 (Algebra and Applications) Bjørn Ian Dundas, Thomas G. Goodwillie, Randy McCarthy

From reader reviews:

Roy Brown:

The book *The Local Structure of Algebraic K-Theory: 18 (Algebra and Applications)* make you feel enjoy for your spare time. You may use to make your capable more increase. Book can to be your best friend when you getting pressure or having big problem with the subject. If you can make looking at a book *The Local Structure of Algebraic K-Theory: 18 (Algebra and Applications)* to become your habit, you can get much more advantages, like add your capable, increase your knowledge about many or all subjects. You may know everything if you like open up and read a book *The Local Structure of Algebraic K-Theory: 18 (Algebra and Applications)*. Kinds of book are a lot of. It means that, science book or encyclopedia or some others. So , how do you think about this guide?

David Carson:

The book *The Local Structure of Algebraic K-Theory: 18 (Algebra and Applications)* can give more knowledge and information about everything you want. Why must we leave the best thing like a book *The Local Structure of Algebraic K-Theory: 18 (Algebra and Applications)*? A number of you have a different opinion about e-book. But one aim that will book can give many details for us. It is absolutely correct. Right now, try to closer with your book. Knowledge or information that you take for that, you may give for each other; you can share all of these. Book *The Local Structure of Algebraic K-Theory: 18 (Algebra and Applications)* has simple shape but the truth is know: it has great and big function for you. You can appear the enormous world by open up and read a e-book. So it is very wonderful.

Denise Rutledge:

This book untitled *The Local Structure of Algebraic K-Theory: 18 (Algebra and Applications)* to be one of several books that will best seller in this year, that is because when you read this book you can get a lot of benefit into it. You will easily to buy this book in the book store or you can order it by using online. The publisher of the book sells the e-book too. It makes you easier to read this book, since you can read this book in your Cell phone. So there is no reason to you personally to past this publication from your list.

Billie Brown:

You could spend your free time to study this book this guide. This *The Local Structure of Algebraic K-Theory: 18 (Algebra and Applications)* is simple to develop you can read it in the park, in the beach, train and also soon. If you did not possess much space to bring often the printed book, you can buy the e-book. It is make you simpler to read it. You can save typically the book in your smart phone. So there are a lot of benefits that you will get when one buys this book.

Download and Read Online The Local Structure of Algebraic K-Theory: 18 (Algebra and Applications) Bjørn Ian Dundas, Thomas G. Goodwillie, Randy McCarthy #X1BUTKN235S

Read The Local Structure of Algebraic K-Theory: 18 (Algebra and Applications) by Bjørn Ian Dundas, Thomas G. Goodwillie, Randy McCarthy for online ebook

The Local Structure of Algebraic K-Theory: 18 (Algebra and Applications) by Bjørn Ian Dundas, Thomas G. Goodwillie, Randy McCarthy Free PDF d0wnl0ad, audio books, books to read, good books to read, cheap books, good books, online books, books online, book reviews epub, read books online, books to read online, online library, greatbooks to read, PDF best books to read, top books to read The Local Structure of Algebraic K-Theory: 18 (Algebra and Applications) by Bjørn Ian Dundas, Thomas G. Goodwillie, Randy McCarthy books to read online.

Online The Local Structure of Algebraic K-Theory: 18 (Algebra and Applications) by Bjørn Ian Dundas, Thomas G. Goodwillie, Randy McCarthy ebook PDF download

The Local Structure of Algebraic K-Theory: 18 (Algebra and Applications) by Bjørn Ian Dundas, Thomas G. Goodwillie, Randy McCarthy Doc

The Local Structure of Algebraic K-Theory: 18 (Algebra and Applications) by Bjørn Ian Dundas, Thomas G. Goodwillie, Randy McCarthy Mobipocket

The Local Structure of Algebraic K-Theory: 18 (Algebra and Applications) by Bjørn Ian Dundas, Thomas G. Goodwillie, Randy McCarthy EPub