



# Syzygies and Homotopy Theory (Algebra and Applications, Vol. 17)

*F.E.A. Johnson*

Download now

Read Online 

# Syzygies and Homotopy Theory (Algebra and Applications, Vol. 17)

F.E.A. Johnson

## Syzygies and Homotopy Theory (Algebra and Applications, Vol. 17) F.E.A. Johnson

The most important invariant of a topological space is its fundamental group. When this is trivial, the resulting homotopy theory is well researched and familiar. In the general case, however, homotopy theory over nontrivial fundamental groups is much more problematic and far less well understood.

*Syzygies and Homotopy Theory* explores the problem of nonsimply connected homotopy in the first nontrivial cases and presents, for the first time, a systematic rehabilitation of Hilbert's method of syzygies in the context of non-simply connected homotopy theory. The first part of the book is theoretical, formulated to allow a general finitely presented group as a fundamental group. The innovation here is to regard syzygies as stable modules rather than minimal modules. Inevitably this forces a reconsideration of the problems of noncancellation; these are confronted in the second, practical, part of the book. In particular, the second part of the book considers how the theory works out in detail for the specific examples  $F_n \backslash F$  where  $F_n$  is a free group of rank  $n$  and  $F$  is finite. Another innovation is to parametrize the first syzygy in terms of the more familiar class of stably free modules. Furthermore, detailed description of these stably free modules is effected by a suitable modification of the method of Milnor squares.

The theory developed within this book has potential applications in various branches of algebra, including homological algebra, ring theory and K-theory. *Syzygies and Homotopy Theory* will be of interest to researchers and also to graduate students with a background in algebra and algebraic topology.

 [Download Syzygies and Homotopy Theory \(Algebra and Applications, ...pdf](#)

 [Read Online Syzygies and Homotopy Theory \(Algebra and Application ...pdf](#)

**Download and Read Free Online Syzygies and Homotopy Theory (Algebra and Applications, Vol. 17)  
F.E.A. Johnson**

**From reader reviews:**

**Mark Armstrong:**

Do you have favorite book? In case you have, what is your favorite's book? E-book is very important thing for us to find out everything in the world. Each reserve has different aim as well as goal; it means that reserve has different type. Some people feel enjoy to spend their time and energy to read a book. They are really reading whatever they get because their hobby is actually reading a book. Why not the person who don't like reading through a book? Sometime, individual feel need book whenever they found difficult problem as well as exercise. Well, probably you'll have this Syzygies and Homotopy Theory (Algebra and Applications, Vol. 17).

**Bradley Simpson:**

Do you have something that that suits you such as book? The reserve lovers usually prefer to pick book like comic, short story and the biggest some may be novel. Now, why not striving Syzygies and Homotopy Theory (Algebra and Applications, Vol. 17) that give your fun preference will be satisfied by means of reading this book. Reading habit all over the world can be said as the opportunity for people to know world far better then how they react towards the world. It can't be explained constantly that reading habit only for the geeky man but for all of you who wants to end up being success person. So , for every you who want to start looking at as your good habit, you are able to pick Syzygies and Homotopy Theory (Algebra and Applications, Vol. 17) become your starter.

**John Pasko:**

Your reading 6th sense will not betray an individual, why because this Syzygies and Homotopy Theory (Algebra and Applications, Vol. 17) reserve written by well-known writer who really knows well how to make book that may be understand by anyone who all read the book. Written within good manner for you, still dripping wet every ideas and writing skill only for eliminate your own personal hunger then you still skepticism Syzygies and Homotopy Theory (Algebra and Applications, Vol. 17) as good book but not only by the cover but also with the content. This is one reserve that can break don't ascertain book by its cover, so do you still needing yet another sixth sense to pick that!?! Oh come on your looking at sixth sense already said so why you have to listening to an additional sixth sense.

**Sang Weems:**

In this time globalization it is important to someone to get information. The information will make professionals understand the condition of the world. The fitness of the world makes the information much easier to share. You can find a lot of recommendations to get information example: internet, magazine, book, and soon. You will see that now, a lot of publisher that will print many kinds of book. The actual book that recommended to you is Syzygies and Homotopy Theory (Algebra and Applications, Vol. 17) this guide consist a lot of the information in the condition of this world now. This particular book was represented so

why is the world has grown up. The vocabulary styles that writer require to explain it is easy to understand. The particular writer made some investigation when he makes this book. Honestly, that is why this book suitable all of you.

**Download and Read Online Syzygies and Homotopy Theory  
(Algebra and Applications, Vol. 17) F.E.A. Johnson  
#X7CZ46AQ5PK**

## **Read Syzygies and Homotopy Theory (Algebra and Applications, Vol. 17) by F.E.A. Johnson for online ebook**

Syzygies and Homotopy Theory (Algebra and Applications, Vol. 17) by F.E.A. Johnson 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 Syzygies and Homotopy Theory (Algebra and Applications, Vol. 17) by F.E.A. Johnson books to read online.

### **Online Syzygies and Homotopy Theory (Algebra and Applications, Vol. 17) by F.E.A. Johnson ebook PDF download**

**Syzygies and Homotopy Theory (Algebra and Applications, Vol. 17) by F.E.A. Johnson Doc**

**Syzygies and Homotopy Theory (Algebra and Applications, Vol. 17) by F.E.A. Johnson Mobipocket**

**Syzygies and Homotopy Theory (Algebra and Applications, Vol. 17) by F.E.A. Johnson EPub**

**Syzygies and Homotopy Theory (Algebra and Applications, Vol. 17) by F.E.A. Johnson Ebook online**

**Syzygies and Homotopy Theory (Algebra and Applications, Vol. 17) by F.E.A. Johnson Ebook PDF**