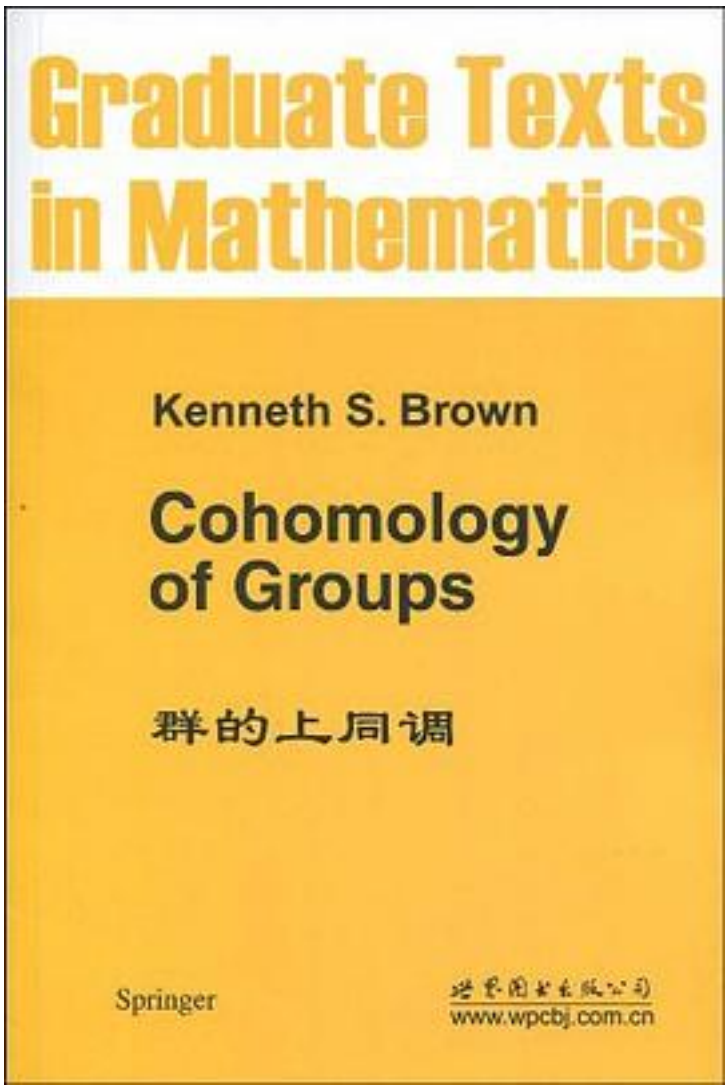
群的上同调



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《群的上同调》讲述了：This book is based on a course given at Cornell University and intendedprimarily for second-year graduate students. The purpose of the course wasto introduce students who knew a little algebra and topology to a subject inwhich there is a very rich interplay 'between the two. Thus I take neither apurely algebraic nor a purely topological approach, but rather I use bothalgebraic and topological techniques as they seem appropriate The first six chapters contain what I consider to be the basics of the subjectThe remaining four chapters are somewhat more specialized and reflect myown research interests. For the most part, the only pre'requisites for readingthe book are the elements of algebra （groups, rings, and modules, includingtensor products over non-commutative rings） and the elements of algebraictopology （fundamental group, covering spaces, simplicial and CW-complexes, and homology）. There are, however, a few theorems, especially inthe later chapters, whose proofs use slightly more topology （such as theHurewicz theorem or Poincare duality）.

作者介绍:

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标签

代数

数学

GTM

小径分岔的花园

algebra

GeoTopo

Algebra

2009

评论

经典, 爬了一小部分.

同调来自于几何，这本书也有很强的几何同调论色彩，尤其是后面几章。作为一个同调论根本没学懂的人，我只看了前面几章。

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书评

对于有限群而言，除了通常意义上的同调与上同调之外，还有一类专门的Tate Cohomology，其指标可以在所有整数上有定义，可以视为同调与上同调合体后的产物。对于具有相当数学素养的人而言，这无疑是一件非常美妙的事情，下面我就来具体阐述一下。 我们知道群的同调...

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