

<<代数K理论及其应用>>

图书基本信息

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内容概要

代数K理论在代数拓扑、数论、代数几何和算子理论等现代数学各个领域中的作用越来越大。这门学科的广泛性往往使人感觉望而生畏。

本书以1990年秋天Maryland大学讲义为基础，不仅为数学领域研究生提供很好的学习代数K理论的基本知识，也讲述其在各个领域的应用。

全书结构完整，了解代数基础知识、基本代数拓扑和几何拓扑知识就可以完全读懂这本书。

该书也涉及到不少代数拓扑、拓扑代数和代数数论的知识。

最后一章简明地介绍了循环同调以及其与K理论的关系。

目次：环的 K_0 群；环的 K_1 群；范畴的 K_0 、 K_1 群，Milnor K_2 群；QuillenK理论和 $+$ -结构；循环同调及其与K理论的关系。

读者对象：数学系高年级学生及研究生的教材，也可供高校数学教师及数学研究人员阅读或参考。

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