

<<纽结理论>>

图书基本信息

书名：<<纽结理论>>

13位ISBN编号：9787506200875

10位ISBN编号：7506200872

出版时间：2000-12

出版时间：世界图书出版公司

作者：Richard H. Crowell,Ralph H. Fox

页数：182

版权说明：本站所提供下载的PDF图书仅提供预览和简介，请支持正版图书。

更多资源请访问：<http://www.tushu007.com>

<<纽结理论>>

内容概要

This book was written as an introductory text for a one semester course and, as such, it is far from a comprehensive reference work. Its lack of completeness is now more apparent than ever since, like most branches of mathematics, knot theory has expanded enormously during the last fifteen years. The book could certainly be rewritten by including more material and also by introducing topics in a more elegant and up-to-date style. Accomplishing these objectives would be extremely worthwhile. However, a significant revision of the original work along these lines, as opposed to writing a new book, would probably be a mistake. As inspired by its senior author, the late Ralph H. Fox, this book achieves qualities of effectiveness, brevity, elementary character, and unity. These characteristics would be jeopardized, if not lost, in a major revision. As a result, the book is being republished unchanged, except for minor corrections. The most important of these occurs in Chapter III, where the old sections 2 and 3 have been interchanged and somewhat modified. The original proof of the theorem that a group is free if and only if it is isomorphic to $F[]$ for some alphabet contained an error, which has been corrected using the fact that equivalent reduced words are equal.

<<纽结理论>>

书籍目录

Prerequisites Chapter Knots and Knot Types 1. Definition of a knot 2. Tame versus wild knots 3. Knot projections 4. Isotopy type, amphichiral and invertible knots Chapter The Fundamental Group Introduction 1. Paths and loops 2. Classes of paths and loops 3. Change of basepoint 4. Induced homomorphisms of fundamental groups 5. Fundamental group of the circle Chapter The Free Groups Introduction . 1. The free group $F[]$ 2. Reduced words 3. Free groups Chapter Presentation of Groups Introduction 1. Retractions and deformations 2. Homotopy type 3. The van Kampen theorem Chapter Presentation of a Knot Group Chapter The Free Calculus and the Elementary Ideals Chapter The Knot Polynomials Chapter Characteristic Properties of the Knot Polynomials Appendix Differentiable Knots are Tame Appendix Categories and groupoids Appendix Proof of the van Kampen theorem Guide to the Literature Bibliography Index

<<纽结理论>>

版权说明

本站所提供下载的PDF图书仅提供预览和简介，请支持正版图书。

更多资源请访问:<http://www.tushu007.com>