

<<单复变函数(第2卷)(英文版)>>

图书基本信息

书名 : <<单复变函数(第2卷)(英文版)>>

13位ISBN编号 : 9787510037542

10位ISBN编号 : 7510037549

出版时间 : 2011-7-1

出版时间 : 世界图书出版公司

作者 : John B. Conway

页数 : 394

版权说明 : 本站所提供之下载的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>

<<单复变函数(第2卷)(英文版)>>

内容概要

《单复变函数(第2卷)(英文版)》是springer《数学研究生教材》第159卷，系世界著名数学家j.

b.coway编写的《单复变函数》之续集，本卷在第1卷的基础上讨论了单复变函数论中的一些专门问题。

。目次：基本理论回顾；单连通区域共形等价；有限连通区域共形等价；解析复盖映射；比勃拉赫猜想的debranges证明；基本概念分析；调合函数概论；圆盘哈代空间；平面势论。

读者对象：数学专业的研究生和科研人员。

<<单复变函数(第2卷)(英文版)>>

书籍目录

preface

13 return to basics

1 regions and curves

2 derivatives and other recollections

3 harmonic conjugates and primitives

4 analytic arcs and the reflection principle

5 boundary values for bounded analytic functions

14 conformal equivalence for simply connected regions

1 elementary properties and examples

2 crosscuts

3 prime ends

4 impressions of a prime end

5 boundary values of riemann maps.

6 the area theorem.

7 disk mappings: the class \$

15 conformal equivalence for finitely connected regions

1 analysis on a finitely connected region.

2 conformal equivalence with an analytic jordan region

3 boundary values for a conformed equivalence between finitely connected jordan regions

4 convergence of univalent functions

5 conformed equivalence with a circularly slit annulus

6 conformal equivalence with a circularly slit disk.

7 conformal equivalence with a circular region

16 analytic covering maps

1 results for abstract covering spaces

2 analytic covering spaces

3 the modular function

4 applications of the modular function.

5 the existence of the universal analytic covering map

17 de branges's proof of the bieberbach conjecture

1 subordination

2 loewner chains

3 loewner's differential equation

4 the milin conjecture

5 some special functions

6 the proof of de branges's theorem

18 some fundamental concepts from analysis

1 bergman spaces of analytic and harmonic functions

2 partitions of unity.

3 convolution in euclidean space

4 distributions

5 the cauchy transform

6 an application: rational approximation

7 fourier series and cesaro sums

<<单复变函数(第2卷)(英文版)>>

19 harmonic functions redux

 1 harmonic functions on the disk

 2 fatou's theorem

 3 semicontinuous functions

 4 subharmonic functions.

 5 the logarithmic potential

 6 an application: approximation by harmonic functions

 7 the dirichlet problem

 8 harmonic majorants

 9 the green function

 10 regular points for the dirichlet problem.

 11 the dirichlet principle and sobolev spaces

20 hardy spaces on the disk

 1 definitions and elementary properties

 2 the nevanlinna class

 3 factorization of functions in the nevanlinna class

 4 the disk algebra

 5 the invariant subspaces of h^p

 6 szegő's theorem

21 potential theory in the plane

 1 harmonic measure

 2 the sweep of a measure

 3 the robin constant

 4 the green potential

 5 polar sets

 6 more on regular points

 7 logarithmic capacity: part 1

 8 some applications and examples of logarithmic capacity

 9 removable singularities for functions in the bergman space

 10 logarithmic capacity: part 2

 11 the transfinite diameter and logarithmic capacity

 12 the refinement of a subharmonic function

 13 the fine topology.

 14 wiener's criterion for regular points

contents

references

list of symbols

index

<<单复变函数(第2卷)(英文版)>>

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>