

<<图论>>

图书基本信息

书名：<<图论>>

13位ISBN编号：9787506291859

10位ISBN编号：7506291851

出版时间：2008-3

出版单位：世界图书出版公司

作者：迪斯特尔

页数：410

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>

内容概要

Almost two decades have passed since the appearance of those graph theory texts that still set the agenda for most introductory courses taught today. The canon created by those books has helped to identify some main fields of study and research, and will doubtless continue to influence the development of the discipline for some time to come. Yet much has happened in those 20 years, in graph theory no less than elsewhere: deep new theorems have been found, seemingly disparate methods and results have become interrelated, entire new branches have arisen. To name just a few such developments, one may think of how the new notion of list colouring has bridged the gulf between invariants such as average degree and chromatic number, how probabilistic methods and the regularity lemma have pervaded extremal graph theory and Ramsey theory, or how the entirely new field of graph minors and tree-decompositions has brought standard methods of surface topology to bear on long-standing algorithmic graph problems.

书籍目录

Preface 1 The Basics 1.1 Graphs 1.2 The degree of a vertex 1.3 Paths and cycles 1.4 Connectivity 1.5 Trees and forests 1.6 Bipartite graphs 1.7 Contraction and minors 1.8 Euler tours 1.9 Some linear algebra 1.10 Other notions of graphs Exercises Notes 2 Matching, Covering and Packing 2.1 Matching in bipartite graphs 2.2 Matching in general graphs 2.3 Packing and covering 2.4 Tree-packing and arboricity 2.5 Path covers Exercises Notes 3 Connectivity 3.1 2-Connected graphs and subgraphs.. 3.2 The structure of 3-connected graphs 3.3 Menger's theorem 3.4 Mader's theorem 3.5 Linking pairs of vertices Exercises Notes 4 Planar Graphs 4.1 Topological prerequisites 4.2 Plane graphs 4.3 Drawings 4.4 Planar graphs: Kuratowski's theorem. 4.5 Algebraic planarity criteria 4.6 Plane duality Exercises Notes 5 Colouring 5.1 Colouring maps and planar graphs 5.2 Colouring vertices 5.3 Colouring edges 5.4 List colouring 5.5 Perfect graphs Exercises Notes 6 Flows 6.1 Circulations 6.2 Flows in networks 6.3 Group-valued flows 6.4 k-Flows for small k 6.5 Flow-colouring duality 6.6 Tutte's flow conjectures Exercises Notes 7 Extremal Graph Theory 8 Infinite Graphs 9 Ramsey Theory for Graphs 10 Hamilton Cycles 11 Random Graphs 12 Minors Trees and WQO

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>