
Logic and Arithmetic

David Bostock

Natural Numbers

This examination of the concept of numbers, concentrating on the logicist view first clearly expounded by Frege, opens with a discussion of the difficulties that arise for the thesis that arithmetic can be 'reduced' to logic. The main part of the book is devoted to working out a solution to these difficulties. £6

Partially Ordered Topological Vector Spaces

Yau-Chuen Wong and Kung-Fu Ng

This is an account of the duality theory of partially ordered topological vector spaces. In particular, the two most satisfactory aspects of the theory, namely partially ordered Banach spaces and locally convex Riesz spaces, are treated in detail. £7 *Oxford Mathematical Monographs*

Introduction to Asymptotic Analysis

J. D. Murray

This book is mainly intended for advanced undergraduate or beginning postgraduate mathematicians and for scientists aiming to get answers to practical problems. An introduction to asymptotic expansions is followed by chapters on the main techniques for obtaining analytical approximations to integrals, the class of integrals which arise from Fourier and Laplace transform solutions of differential equations, with a brief introduction to the important subject of singular perturbation theory. £3.50

A First Course in Combinatorial Mathematics

I. Anderson

This is an introduction to the basic combinatorial tools such as recurrence relations, generating functions, incidence matrices, and the inclusion-exclusion principle. A study of block designs is followed by a brief mention of applications to coding theory, and in the final chapter Steiner systems and sphere-packing problems are related via the famous Leech lattice. £3.75 paper covers £1.35 *Oxford Applied Mathematics and Computing Science*

Oxford University Press
