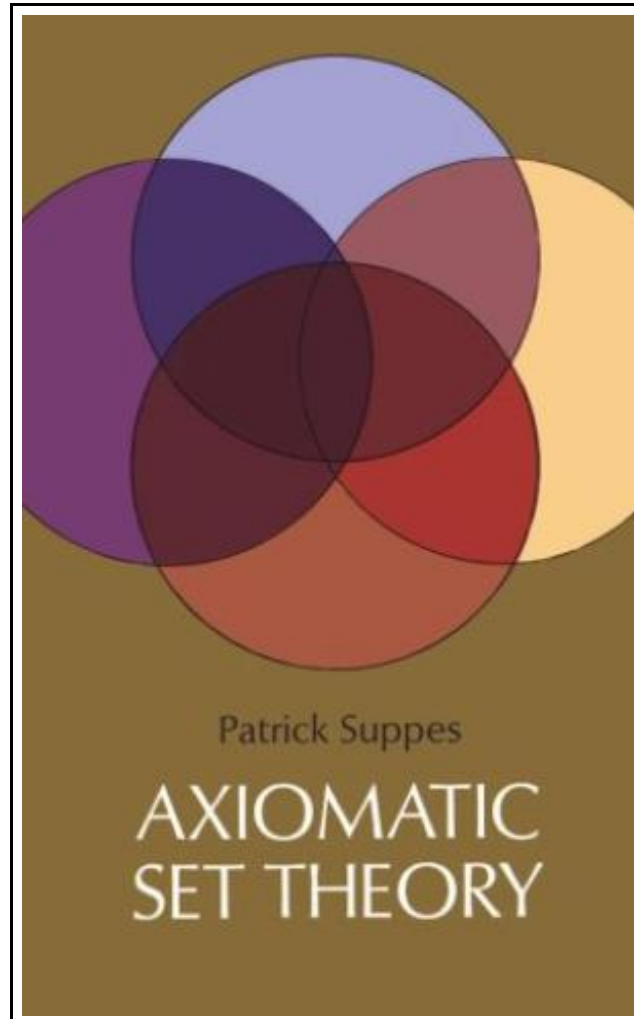# Axiomatic Set Theory

Filesize: 7.79 MB

Reviews

These kinds of book is every little thing and made me looking forward and much more. I really could comprehended every little thing using this published e publication. I am just very happy to explain how this is basically the finest ebook we have read during my very own lifestyle and might be he greatest ebook for ever.

(Pascale Marvin II)

AXIOMATIC SET THEORY

Dover Publications Inc., United States, 1973. Paperback. Book Condition: New. New edition. 213 x 135 mm. Language: English . Brand New Book. One of the most pressingproblems of mathematics over the last hundred years has been the question: What is a number? One of the most impressive answers has been the axiomatic development of set theory. The question raised is: Exactly what assumptions, beyond those of elementary logic, are required as a basis for modern mathematics? Answering this question by means of the Zermelo-Fraenkel system, Professor Suppes coverage is the best treatment of axiomatic set theory for the mathematics student on the upper undergraduate or graduate level. The opening chapter covers the basic paradoxes and the history of set theory and provides a motivation for the study. The second and third chapters cover the basic definitions and axioms and the theory of relations and functions. Beginning with the fourth chapter, equipollence, finite sets and cardinal numbers are dealt with. Chapter five continues the development with finite ordinals and denumerable sets. Chapter six, on rational numbers and real numbers, has been arranged so that it can be omitted without loss of continuity. In chapter seven, transfinite induction and ordinal arithmetic are introduced and the system of axioms is revised. The final chapter deals with the axiom of choice. Throughout, emphasis is on axioms and theorems; proofs are informal. Exercises supplement the text. Much coverage is given to intuitive ideas as well as to comparative development of other systems of set theory. Although a degree of mathematical sophistication is necessary, especially for the final two chapters, no previous work in mathematical logic or set theory is required. For the student of mathematics, set theory is necessary for the proper understanding of the foundations of mathematics. Professor Suppes in Axiomatic Set Theory provides...

Read Axiomatic Set Theory Online

Download PDF Axiomatic Set Theory

Related PDFs

Read Write Inc. Phonics: Purple Set 2 Non-Fiction 4 What is it?

Oxford University Press, United Kingdom, 2016. Paperback. Book Condition: New. 215 x 108 mm. Language: N/A. Brand New Book. These decodable non-fiction books provide structured practice for children learning to read. Each set of books...

Save eBook »

Ready, Set, Preschool! : Stories, Poems and Picture Games with an Educational Guide for Parents

Book Condition: Brand New. Book Condition: Brand New.

Save eBook »

Readers Clubhouse Set a Nick is Sick

Barron s Educational Series, United States, 2006. Paperback. Book Condition: New. Carol Koeller (illustrator). 221 x 147 mm. Language: English . Brand New Book. This is volume three, Reading Level 1, in a comprehensive program...

Save eBook »

Final Theory

Simon & Schuster Ltd, 2008. Paperback. Book Condition: New. A new, unread, unused book in perfect condition with no missing or damaged pages. Shipped from UK. Orders will be dispatched within 48 hours of receiving...

Save eBook »

The Clever Detective Boxed Set (a Fairy Tale Romance): Stories 1, 2 and 3

Createspace, United States, 2012. Paperback. Book Condition: New. 229 x 152 mm. Language: English . Brand New Book ***** Print on Demand *****.After six years as a private investigator, Stacey Alexander has the strangest day...

Save eBook »