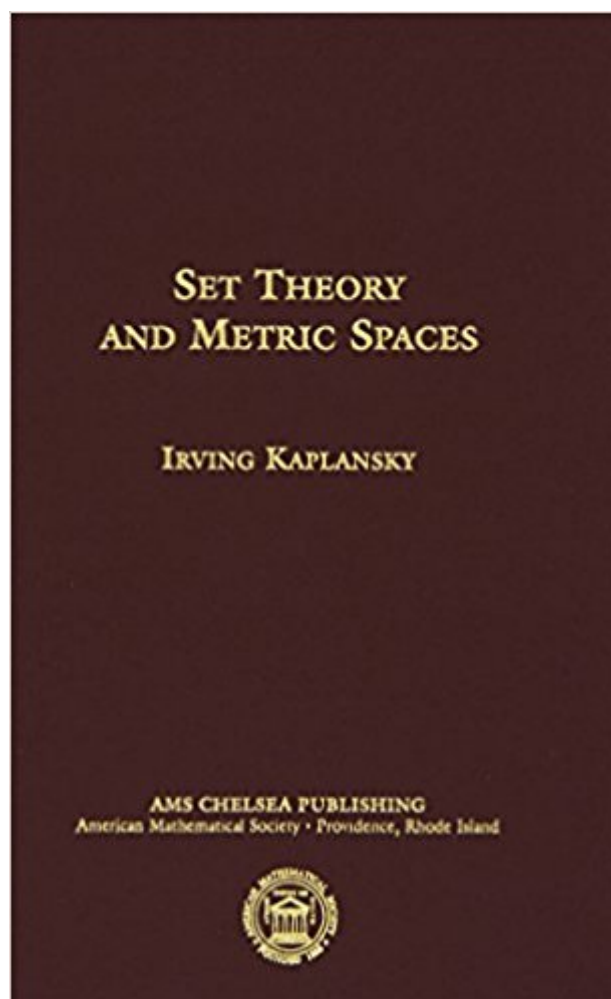


The book was found

Set Theory And Metric Spaces (AMS Chelsea Publishing)



Synopsis

This book is based on notes from a course on set theory and metric spaces taught by Edwin Spanier, and also incorporates with his permission numerous exercises from those notes. The volume includes an Appendix that helps bridge the gap between metric and topological spaces, a Selected Bibliography, and an Index.

Book Information

Series: AMS Chelsea Publishing

Hardcover: 140 pages

Publisher: American Mathematical Society; 2nd edition (May 1, 2001)

Language: English

ISBN-10: 0821826948

ISBN-13: 978-0821826942

Product Dimensions: 0.5 x 6 x 9 inches

Shipping Weight: 12.8 ounces (View shipping rates and policies)

Average Customer Review: 4.8 out of 5 stars [See all reviews](#) (6 customer reviews)

Best Sellers Rank: #729,813 in Books (See Top 100 in Books) #86 in [Books > Science & Math > Mathematics > Pure Mathematics > Set Theory](#) #6908 in [Books > Textbooks > Science & Mathematics > Mathematics](#) #175624 in [Books > Reference](#)

Customer Reviews

This is a very good book especially for self-study. It is very good for the material it treats but some caveats need to be noted. The set theory is naive and not axiomatic. Zorn's lemma, well-ordering theorem, and point-set theory are covered -- but Peano's axioms are not. There is no coverage of Real Numbers or Ordinals. For the topics that are treated the coverage is very good, and book is well-organized and lucid. The development is logical and rigorous; the language is very helpful in understanding the material, as are the historical asides. There are plenty of nice exercises. The material is pitched at the advanced undergraduate or beginning graduate level. Classic Set Theory by Goldrei is very good too.

This is an exceptionally good introduction to the core definitions and theorems of naive set theory. That is to say, it is written in an informal style, yet remains adequate for building deeper knowledge later. I found the treatment somewhat idiosyncratic in that it gives some insights about how Kaplansky views sets and some natural proofs of their properties. Note: this last point suggests

the following analogy: you're in college and you take two logic classes just because you love logic so much. However, both are taught by different teachers. One teacher simply goes from the text; the other one hands out a set of lecture notes that is very personal and interesting and adds insight to the textbook. Kaplansky's work is this set of lecture notes. It is also rare to find coverage of metric spaces in a work of its kind, which adds to its appeal. This book is brief, but is not intended to pry beyond the bare essentials -- the written style is ideally suited to this end. A pleasure to read! Highly recommended for a first go.

Kaplansky's Set Theory and Metric Spaces is one of the most helpful math books that I've ever used. Beginning with basic set theory and covering such topics as cardinal numbers, countability, the Axiom of Choice, Zorn's Lemma, well ordering, basic properties of metric spaces, completeness, separability, and compactness. Kaplansky's explanations are clear and concise, his examples are illuminating, and the problems are challenging without being far too difficult. As a bonus, this book is quite reasonably priced. A must for anyone who is taking a first or second set theory class!

[Download to continue reading...](#)

Set Theory and Metric Spaces (AMS Chelsea Publishing) Class Field Theory (AMS Chelsea Publishing) Geometry and the Imagination (AMS Chelsea Publishing) Knots and Links (AMS Chelsea Publishing) Introduction to Metric and Topological Spaces (Oxford Mathematics) My Horizontal Life: A Collection of One Night Stands (A Chelsea Handler Book/Borderline Amazing Publishing) Metric Manipulations in Haydn and Mozart: Chamber Music for Strings, 1787-1791 (Oxford Studies in Music Theory) Stochastic Integration in Banach Spaces: Theory and Applications (Probability Theory and Stochastic Modelling) Goss's Roofing Ready Reckoner: Metric Cutting and Sizing Tables for Timber Roof Members Whatever Happened to the Metric System?: How America Kept Its Feet Learning the Metric System: A Guide for Americans Bonhams of Chelsea: Diecast and Tinplate Toys, Live Steam Locomotives, Engines and Models: Thursday 28th March 1996 Chelsea's Chinese New Year (Cloverleaf Books - Holidays and Special Days) Ghost Orchids / Chinese Cyrtipediums / The Chelsea Flower Show (Orchids, Volume 75, Number 10, October 2006) Complete Guide to Self Publishing: Everything You Need to Know to Write, Publish, Promote, and Sell Your Own Book (Self-Publishing 4th Edition) How To Write Erotica: A Beginner's Guide To Writing, Self-Publishing And Making Money As An Erotica Author! (How To Write Erotica, Self-Publishing Erotica, Writing Erotica For Beginners) Book Publishing With InDesign CC: Using Desktop Publishing Power To Self-Publish Your Book The Nursing Assistant's Handbook 2nd (second) Edition by Hartman Publishing Inc., Jetta Fuzy RN MS published by Hartman Publishing,

Inc. (2006) How To Sell Romance Novels On Kindle. Marketing Your Ebook In 's Ecosystem: A Guide For Kindle Publishing Authors. (How To Sell Fiction On Kindle. ... A Guide For Kindle Publishing Authors. 3) An Introduction to the Theory of Reproducing Kernel Hilbert Spaces (Cambridge Studies in Advanced Mathematics)

[Dmca](#)