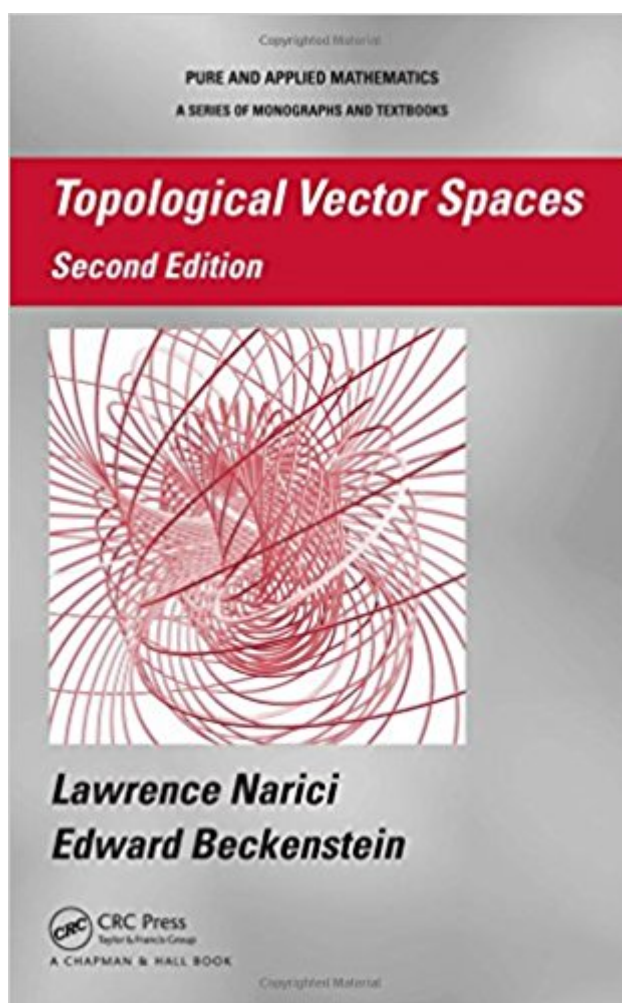


The book was found

# Topological Vector Spaces, Second Edition (Chapman & Hall/CRC Pure And Applied Mathematics)



## Synopsis

With many new concrete examples and historical notes, *Topological Vector Spaces, Second Edition* provides one of the most thorough and up-to-date treatments of the Hahn-Banach theorem. This edition explores the theorem's connection with the axiom of choice, discusses the uniqueness of Hahn-Banach extensions, and includes an entirely new chapter on vector-valued Hahn-Banach theorems. It also considers different approaches to the Banach-Stone theorem as well as variations of the theorem. The book covers locally convex spaces; barreled, bornological, and webbed spaces; and reflexivity. It traces the development of various theorems from their earliest beginnings to present day, providing historical notes to place the results in context. The authors also chronicle the lives of key mathematicians, including Stefan Banach and Eduard Helly. Suitable for both beginners and experienced researchers, this book contains an abundance of examples, exercises of varying levels of difficulty with many hints, and an extensive bibliography and index.

## Book Information

Series: Chapman & Hall/CRC Pure and Applied Mathematics (Book 296)

Hardcover: 628 pages

Publisher: Chapman and Hall/CRC; 2 edition (July 26, 2010)

Language: English

ISBN-10: 1584888660

ISBN-13: 978-1584888666

Product Dimensions: 6.1 x 1.4 x 9.2 inches

Shipping Weight: 2.2 pounds (View shipping rates and policies)

Average Customer Review: Be the first to review this item

Best Sellers Rank: #1,640,252 in Books (See Top 100 in Books) #55 in [Books > Science & Math > Mathematics > Transformations](#) #323 in [Books > Science & Math > Agricultural Sciences > Crop Science](#) #349 in [Books > Science & Math > Mathematics > Pure Mathematics > Functional Analysis](#)

## Customer Reviews

Besides a general renovation, the text has improved the topics related to the Hahn-Banach theorem. There is a whole new chapter on vector-valued Hahn-Banach theorems and an enlarged presentation of the Banach-Stone theorems. The text remains a nice expository book on the fundamentals of the theory of topological vector spaces. Luis Manuel Sanchez Ruiz,

Mathematical Reviews, Issue 2012a This is a nicely written, easy-to-read expository book of the classical theory of topological vector spaces. The proofs are complete and very detailed. The comprehensive exposition and the quantity and variety of exercises make the book really useful for beginners and make the material more easily accessible than the excellent classical monographs by Köthe or Schaefer. This is a well-written book, with comprehensive proofs, many exercises and informative new sections of historical character, that presents in an accessible way the classical theory of locally convex topological vector spaces and that can be useful especially for beginners interested in this topic. Jos Bonet, Zentralblatt MATH 1219 Praise for the First Edition: This is a very carefully written introduction to topological vector spaces. But it is more. The enthusiasm of the authors for their subject, their untiring efforts to motivate and explain the ideas and proofs, and the abundance of well-chosen exercises make the book an initiation into a fascinating new world. The reader will feel that he does not get only one aspect of this field but that he really gets the whole picture. Gottfried Köthe, Rendiconti del Circolo Matematico di Palermo, Series II, Volume 35, Number 3, September 1986

Lawrence Narici and Edward Beckenstein are professors of mathematics at St. John's University in New York.

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

Topological Vector Spaces, Second Edition (Chapman & Hall/CRC Pure and Applied Mathematics)  
 Measure and Integral: An Introduction to Real Analysis, Second Edition (Chapman & Hall/CRC Pure and Applied Mathematics)  
 Introduction to Set Theory, Third Edition, Revised and Expanded (Chapman & Hall/CRC Pure and Applied Mathematics)  
 The Shape of Space (Chapman & Hall/CRC Pure and Applied Mathematics)  
 A Concise Introduction to Pure Mathematics, Fourth Edition (Chapman Hall/CRC Mathematics Series)  
 A Concise Introduction to Pure Mathematics (Chapman Hall/Crc Mathematics)  
 Modern Methods in Topological Vector Spaces (Dover Books on Mathematics)  
 Principles of Mathematical Analysis (International Series in Pure and Applied Mathematics) (International Series in Pure & Applied Mathematics)  
 Fractal Geometry and Dynamical Systems in Pure and Applied Mathematics I: Fractals in Pure Mathematics (Contemporary Mathematics)  
 Environmental and Ecological Statistics with R, Second Edition (Chapman & Hall/CRC Applied Environmental Statistics)  
 Generalized Linear Models, Second Edition (Chapman & Hall/CRC Monographs on Statistics & Applied Probability)  
 Topological Vector Spaces  
 Dynamic Prediction in Clinical Survival Analysis (Chapman & Hall/CRC Monographs on Statistics & Applied Probability)  
 Topological Insulators and Topological Superconductors  
 Statistics

and Data Analysis for Microarrays Using R and Bioconductor, Second Edition (Chapman & Hall/CRC Mathematical and Computational Biology) Modeling and Analysis of Stochastic Systems, Second Edition (Chapman & Hall/CRC Texts in Statistical Science) Introduction to Scientific Programming and Simulation Using R, Second Edition (Chapman & Hall/CRC The R Series) Introduction to Modern Cryptography, Second Edition (Chapman & Hall/CRC Cryptography and Network Security Series) Linear Models with R, Second Edition (Chapman & Hall/CRC Texts in Statistical Science) Machine Learning: An Algorithmic Perspective, Second Edition (Chapman & Hall/Crc Machine Learning & Pattern Recognition)

[Contact Us](#)

[DMCA](#)

[Privacy](#)

[FAQ & Help](#)