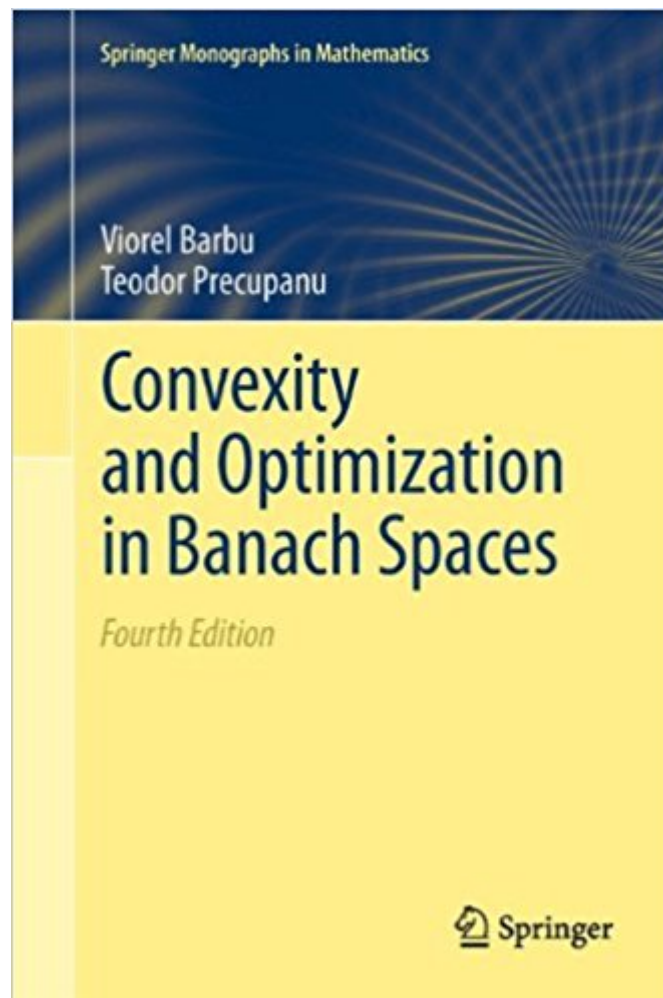




Ebook Directory
the best source of ebook

The book was found

Convexity And Optimization In Banach Spaces (Springer Monographs In Mathematics)



Synopsis

An updated and revised edition of the 1986 title *Convexity and Optimization in Banach Spaces*, this book provides a self-contained presentation of basic results of the theory of convex sets and functions in infinite-dimensional spaces. The main emphasis is on applications to convex optimization and convex optimal control problems in Banach spaces. A distinctive feature is a strong emphasis on the connection between theory and application. This edition has been updated to include new results pertaining to advanced concepts of subdifferential for convex functions and new duality results in convex programming. The last chapter, concerned with convex control problems, has been rewritten and completed with new research concerning boundary control systems, the dynamic programming equations in optimal control theory and periodic optimal control problems. Finally, the structure of the book has been modified to highlight the most recent progression in the field including fundamental results on the theory of infinite-dimensional convex analysis and includes helpful bibliographical notes at the end of each chapter.

Book Information

Series: Springer Monographs in Mathematics

Hardcover: 368 pages

Publisher: Springer; 4th ed. 2012 edition (January 2, 2012)

Language: English

ISBN-10: 940072246X

ISBN-13: 978-9400722460

Product Dimensions: 6.1 x 0.9 x 9.2 inches

Shipping Weight: 1.4 pounds (View shipping rates and policies)

Average Customer Review: Be the first to review this item

Best Sellers Rank: #3,025,406 in Books (See Top 100 in Books) #89 in [Books > Science & Math > Mathematics > Transformations](#) #17872 in [Books > Science & Math > Mathematics > Applied](#) #24009 in [Books > Textbooks > Science & Mathematics > Mathematics](#)

Customer Reviews

From the reviews of the fourth edition: "This edition contains new results concerning subdifferential calculus for convex functions and for duality in convex programming." | The book presents many of the fundamental results of the theory of infinite-dimensional convex analysis which were obtained in the last 25 years. The book provides the reader with useful tools concerning convex analysis. | Every chapter ends with problems, bibliographical notes and references. •

An updated and revised edition of the 1986 title *Convexity and Optimization in Banach Spaces*, this book provides a self-contained presentation of basic results of the theory of convex sets and functions in infinite-dimensional spaces. The main emphasis is on applications to convex optimization and convex optimal control problems in Banach spaces. A distinctive feature is a strong emphasis on the connection between theory and application. This edition has been updated to include new results pertaining to advanced concepts of subdifferential for convex functions and new duality results in convex programming. The last chapter, concerned with convex control problems, has been rewritten and completed with new research concerning boundary control systems, the dynamic programming equations in optimal control theory and periodic optimal control problems. Finally, the structure of the book has been modified to highlight the most recent progression in the field including fundamental results on the theory of infinite-dimensional convex analysis and includes helpful bibliographical notes at the end of each chapter.

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

Convexity and Optimization in Banach Spaces (Springer Monographs in Mathematics) Pyomo • *Optimization Modeling in Python* (Springer Optimization and Its Applications) *Handbook of the Geometry of Banach Spaces, Volume 2* *Monotone Operators in Banach Space and Nonlinear Partial Differential Equations* (Mathematical Surveys and Monographs) *Metric Spaces* (Springer Undergraduate Mathematics Series) *The Volume of Convex Bodies and Banach Space Geometry* (Cambridge Tracts in Mathematics) *Banach Space Theory: The Basis for Linear and Nonlinear Analysis* (CMS Books in Mathematics) *Ergodic Theory: Independence and Dichotomies* (Springer Monographs in Mathematics) *An Introduction to Banach Space Theory* (Graduate Texts in Mathematics) *Undergraduate Convexity: Problems And Solutions* *Modular Forms* (Springer Monographs in Mathematics) *The Little Book on Digital Marketing* *SEO - Search Engine Optimization: Tips and tricks for keyword research in SEO or Search Engine Optimization* *Introduction to Linear Optimization* (Athena Scientific Series in Optimization and Neural Computation, 6) *Engineering Design Optimization using Calculus Level Methods: A Casebook Approach: Math Modeling, Simulation, & Optimization* *Transportation Systems Analysis: Models and Applications* (Springer Optimization and Its Applications) *Optimization in Function Spaces* (Aurora: Dover Modern Math Originals) *Numerical Optimization* (Springer Series in Operations Research and Financial Engineering) *Mathematics for Quantum Mechanics: An Introductory Survey of Operators, Eigenvalues, and Linear Vector Spaces* (Dover Books on Mathematics) *Mathematics and*

Technology (Springer Undergraduate Texts in Mathematics and Technology) The Mathematics of Medical Imaging: A Beginner's Guide (Springer Undergraduate Texts in Mathematics and Technology)

[Contact Us](#)

[DMCA](#)

[Privacy](#)

[FAQ & Help](#)