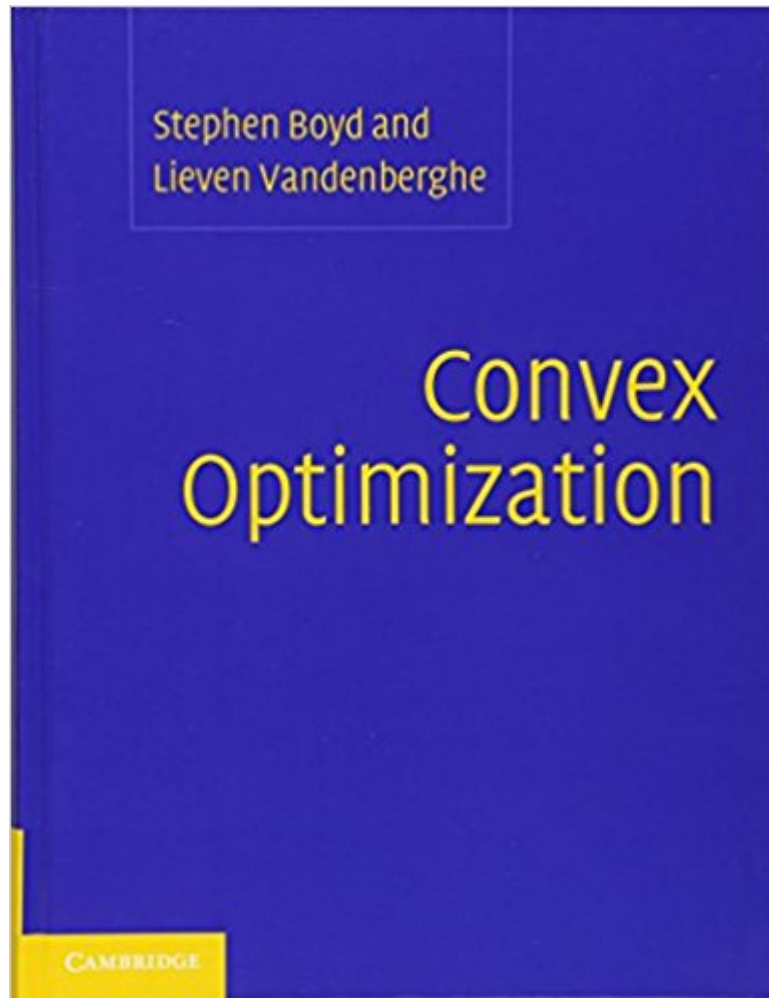




Ebook Directory
the best source of ebook

The book was found

Convex Optimization



Synopsis

Convex optimization problems arise frequently in many different fields. A comprehensive introduction to the subject, this book shows in detail how such problems can be solved numerically with great efficiency. The focus is on recognizing convex optimization problems and then finding the most appropriate technique for solving them. The text contains many worked examples and homework exercises and will appeal to students, researchers and practitioners in fields such as engineering, computer science, mathematics, statistics, finance, and economics.

Book Information

Hardcover: 727 pages

Publisher: Cambridge University Press; 1 edition (March 8, 2004)

Language: English

ISBN-10: 0521833787

ISBN-13: 978-0521833783

Product Dimensions: 7.4 x 1.6 x 9.7 inches

Shipping Weight: 3.8 pounds (View shipping rates and policies)

Average Customer Review: 4.3 out of 5 stars 44 customer reviews

Best Sellers Rank: #52,739 in Books (See Top 100 in Books) #3 in Books > Science & Math > Mathematics > Applied > Linear Programming #14 in Books > Science & Math > Mathematics > Reference #289 in Books > Textbooks > Science & Mathematics > Mathematics > Statistics

Customer Reviews

"Boyd and Vandenberghe have written a beautiful book that I strongly recommend to everyone interested in optimization and computational mathematics: Convex Optimization is a very readable and inspiring introduction to this modern field of research...The book will be accessible not only to mathematicians but also to researchers and students who want to use convex optimization in applied fields like engineering, computer science, economics, statistics, or others. I recommend it as one of the best optimization textbooks that have appeared in the last years." Mathematical Methods of Operations Research "...this concisely written book is useful in many regards: as a primary textbook for convex optimization with engineering applications or as an alternate text for a more traditional course on linear or nonlinear optimization." Journal of the American Statistical Association, Hans-Jakob Luethi, Swiss Federal Institute of Technology Zurich "The book by Boyd and Vandenberghe reviewed here is one of ... the best I have ever seen ... it is a gentle, but rigorous, introduction to the basic concepts and methods of the field ... this book is meant to be a

'first book' for the student or practitioner of optimization. However, I think that even the experienced researcher in the field has something to gain from reading this book: I have very much enjoyed the easy to follow presentation of many meaningful examples and suggestive interpretations meant to help the student's understanding penetrate beyond the surface of the formal description of the concepts and techniques. For teachers of convex optimization this book can be a gold mine of exercises." MathSciNet

Convex optimization problems arise frequently in many different fields. This book provides a comprehensive introduction to the subject, and shows in detail how such problems can be solved numerically with great efficiency. The focus of the book is on recognizing convex optimization problems and then finding the most appropriate technique for solving them. It contains many worked examples and homework exercises and will appeal to students, researchers and practitioners in fields such as engineering, computer science, mathematics, statistics, finance, and economics.

This is the excellent book if you want to start learning about convex optimization in both fundamental background and the actual algorithm aspects.

This material is somewhat tangential to my research, but I learned a ton by reading it. Very well organized. For example, here is a problem I was working on. For a given matrix A , find vectors a and b such that $1. |A|$

This book is great! The writers tend to capture the theory of convex optimization in a concise way and further illustrate it by showing their applications. The book also has a rigorous set of exercises.

Great explanations and examples. Can skip the very technical sections and it still reads well. And, if you care about these kinds of things, the typesetting is beautiful.

Very well written. Highly recommended for students and/or professionals working in optimization field

It is a really good book. Recommend for everyone who wants to know this knowledge.

Almost perfect text for both beginners and experts as well as practitioners!

This is an excellent text on optimization. The pdf version is free on the net. First I got the pdf version, I like the writing style and the way authors have described the concepts. Then I ordered the hard print. The print quality is excellent and its a great book to have!

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

Convex Optimization Convex Analysis and Nonlinear Optimization: Theory and Examples (CMS Books in Mathematics) Convex Optimization Theory Convex Optimization of Power Systems The Little Book on Digital Marketing SEO - Search Engine Optimization: Tips and tricks for keyword research in SEO or Search Engine Optimization Engineering Design Optimization using Calculus Level Methods: A Casebook Approach: Math Modeling, Simulation, & Optimization Introduction to Linear Optimization (Athena Scientific Series in Optimization and Neural Computation, 6) Pyomo • Optimization Modeling in Python (Springer Optimization and Its Applications) Convex Analysis (Princeton Landmarks in Mathematics and Physics) Interior Point Polynomial Algorithms in Convex Programming (Siam Studies in Applied Mathematics) Convex Bodies: The Brunn-Minkowski Theory (Encyclopedia of Mathematics and its Applications) The Volume of Convex Bodies and Banach Space Geometry (Cambridge Tracts in Mathematics) Better Living Through Neurochemistry - A guide to the optimization of serotonin, dopamine and the neurotransmitters that color your world Pricing and Revenue Optimization Optimization Modeling with Spreadsheets SEO - The Sassy Way to Ranking #1 in Google - when you have NO CLUE!: A Beginner's Guide to Search Engine Optimization (Beginner Internet Marketing Series Book 3) SEO 2017: Learn search engine optimization with smart internet marketing strategies SEO Fitness Workbook, 2017 Edition: The Seven Steps to Search Engine Optimization Success on Google SEO 2017 Learn Search Engine Optimization With Smart Internet Marketing Strateg: Learn SEO with smart internet marketing strategies SEO Like Iâ™m 5: The Ultimate Beginnerâ™s Guide to Search Engine Optimization (Like I'm 5 Book 1)

[Contact Us](#)

[DMCA](#)

[Privacy](#)

[FAQ & Help](#)