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Convex Functions and Their Applications

A Contemporary Approach

Second Edition

 Springer

Convex Functions And Their Applications A Contemporary Approach

Constantin P. Niculescu,Lars-Erik Persson

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processes all in one single book Numerous examples to validate results Provides an overview of the current state of integral inequalities and convexity for a much wider audience including practitioners Applications of some special means of real numbers are also discussed The book is ideal for anyone teaching or attending courses in integral inequalities along with researchers in this area   *Annales Polonici Mathematici* ,2011   *Real Functions* Ján Borsík,Jacek Jędrzejewski,Ryszard J. Pawlak,2007   *Collectanea Mathematica* ,2011   *Mathematical Reviews* ,2006   An Easy Path to Convex Analysis and Applications Boris S. Mordukhovich,Nguyen Mau Nam,2013-12-01 Convex optimization has an increasing impact on many areas of mathematics applied sciences and practical applications It is now being taught at many universities and being used by researchers of different fields As convex analysis is the mathematical f   **The British National Bibliography** Arthur James Wells,2007   **Journal of analysis and its applications** ,1982   *An Easy Path to Convex Analysis and Applications* Boris Mordukhovich,Nguyen Mau Nam,2023-06-16 This book examines the most fundamental parts of convex analysis and its applications to optimization and location problems Accessible techniques of variational analysis are employed to clarify and simplify some basic proofs in convex analysis and to build a theory of generalized differentiation for convex functions and sets in finite dimensions The book serves as a bridge for the readers who have just started using convex analysis to reach deeper topics in the field Detailed proofs are presented for most of the results in the book and also included are many figures and exercises for better understanding the material Applications provided include both the classical topics of convex optimization and important problems of modern convex optimization convex geometry and facility location

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