1. Record Nr. UNICAMPANIAVAN00261733

Autore	Lüneburg, Heinz
Titolo	Translation Planes / Heinz Lüneburg
Pubbl/distr/stampa	Berlin, : Springer, 1980
Descrizione fisica	x, 278 p. ; 24 cm
Soggetti	51-XX - Geometry [MSC 2020] 51A40 - Translation planes and spreads in linear incidence geometry [MSC 2020] 51E15 - Finite affine and projective planes (geometric aspects) [MSC 2020]
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia

2. Record Nr. UNINA9910734837003321

Autore	Correa Rafael <1890->
Titolo	Fundamentals of Convex Analysis and Optimization : A Supremum Function Approach / / by Rafael Correa, Abderrahim Hantoute, Marco A. López
Pubbl/distr/stampa	Cham : , : Springer International Publishing : , : Imprint : Springer, , 2023
ISBN	3-031-29551-X
Edizione	[1st ed. 2023.]
Descrizione fisica	1 online resource (XIII, 444 p. 1 illus.)
Collana	Springer Series in Operations Research and Financial Engineering, , 2197-1773
Disciplina	515.882
Soggetti	Operations research Management science Mathematical optimization Functional analysis Operations Research, Management Science Optimization Functional Analysis
Lingua di pubblicazione	Inglese

Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	1. Introduction -- 2. Preliminaries -- 3. Fenchel-Moreau-Rockafellar theory -- 4. Fundamental topics in convex analysis -- 5. Supremum of convex functions -- 6. The supremum in specific contexts -- 7. Other subdifferential calculus rules -- 8. Miscellaneous -- 9. Exercises - Solutions -- Index -- Glossary of Notations -- Bibliography.
Sommario/riassunto	This book aims at an innovative approach within the framework of convex analysis and optimization, based on an in-depth study of the behavior and properties of the supremum of families of convex functions. It presents an original and systematic treatment of convex analysis, covering standard results and improved calculus rules in subdifferential analysis. The tools supplied in the text allow a direct approach to the mathematical foundations of convex optimization, in particular to optimality and duality theory. Other applications in the book concern convexification processes in optimization, non-convex integration of the Fenchel subdifferential, variational characterizations of convexity, and the study of Chebychev sets. At the same time, the underlying geometrical meaning of all the involved concepts and operations is highlighted and duly emphasized. A notable feature of the book is its unifying methodology, as well as the novelty of providing an alternative or complementary view to the traditional one in which the discipline is presented to students and researchers. This textbook can be used for courses on optimization, convex and variational analysis, addressed to graduate and post-graduate students of mathematics, and also students of economics and engineering. It is also oriented to provide specific background for courses on optimal control, data science, operations research, economics (game theory), etc. The book represents a challenging and motivating development for those experts in functional analysis, convex geometry, and any kind of researchers who may be interested in applications of their work.