



## Set-Valued Mappings and Enlargements of Monotone Operators (Springer Optimization and Its Applications)

By Regina S. Burachik; Alfredo N. Iusem

Springer, 2008. Hardcover. Book Condition: New. Set-valued analysis is an essential tool for the mathematical formulation of many real-life situations, e.g., equilibrium theory in mathematical economics. This work offers the first comprehensive treatment in book form of the fairly new subdiscipline of enlargements of maximal monotone operators, including several important new results in the field. In the last decades, with the development of nonsmooth optimization, effective algorithms have been developed to solve these kinds of problems, such as nonsmooth variational inequalities. Several of these methods, such as bundle methods for variational problems, are fully developed and analyzed in this book. The first chapters provide a self-contained review of the basic notions and fundamental results in set-valued analysis, including set convergence and continuity of set-valued mappings together with many important results in infinite-dimensional convex analysis, leading to the classical fixed point results due to Ekeland, Caristi and Kakutani. Next, an in-depth introduction to monotone operators is developed, emphasizing results related to maximality of subdifferentials and of sums of monotone operators. Building on this foundational material, the second part of the monograph contains new results (all of them established during the last decade) on the concept of enlargements of monotone operators, with...



[DOWNLOAD PDF](#)

### Reviews

*Extensive guide! Its this kind of excellent read through. it absolutely was written very perfectly and helpful. Your way of life period is going to be change when you complete reading this ebook.*

-- **Murphy Dooley**

*The publication is easy in read safer to comprehend. It is actually rally intriguing through studying time. I am easily will get a delight of looking at a created publication.*

-- **Claud Feest**

## See Also

---



### [Children s Educational Book: Junior Leonardo Da Vinci: An Introduction to the Art, Science and Inventions of This Great Genius. Age 7 8 9 10 Year-Olds. \[Us English\] \(Paperback\)](#)

Createspace, United States, 2013. Paperback. Book Condition: New. 254 x 178 mm. Language: English . Brand New Book \*\*\*\*\* Print on Demand \*\*\*\*\*.ABOUT SMART READS for Kids . Love Art, Love Learning Welcome. Designed to expand and inspire young minds; this is...

---



### [Children s Educational Book Junior Leonardo Da Vinci : An Introduction to the Art, Science and Inventions of This Great Genius Age 7 8 9 10 Year-Olds. \[British English\] \(Paperback\)](#)

Createspace, United States, 2013. Paperback. Book Condition: New. 248 x 170 mm. Language: English . Brand New Book \*\*\*\*\* Print on Demand \*\*\*\*\*.ABOUT SMART READS for Kids . Love Art, Love Learning Welcome. Designed to expand and inspire young minds; this is...

---



### [Edge\] the collection stacks of children's literature: Chunhyang Qiuyun 1.2 --- Children's Literature 2004\(Chinese Edition\)](#)

paperback. Book Condition: New. Ship out in 2 business day, And Fast shipping, Free Tracking number will be provided after the shipment.Paperback. Pub Date: 2005 Pages: 815 Publisher: the Chinese teenager Shop Books all book. the genuine special part of the spot...

---



### [Art appreciation \(travel services and hotel management professional services and management expertise secondary vocational education teaching materials supporting national planning book\)\(Chinese Edition\)](#)

paperback. Book Condition: New. Ship out in 2 business day, And Fast shipping, Free Tracking number will be provided after the shipment.Pages Number: 146 Publisher: Higher Education Pub. Date :2009-07-01 version 2. This book is a secondary vocational education and management of...

---



### [DK Readers L1: Jobs People Do: A Day in the Life of a Firefighter](#)

DK Publishing. Paperback / softback. Book Condition: new. BRAND NEW, DK Readers L1: Jobs People Do: A Day in the Life of a Firefighter, Linda Hayward, DK Publishing, This Level 1 book is appropriate for children who are just beginning to read....

---



### [DK Readers L1: Jobs People Do: A Day in the Life of a Teacher \(Paperback\)](#)

DK Publishing (Dorling Kindersley), United States, 2001. Paperback. Book Condition: New. American.. 224 x 150 mm. Language: English . Brand New Book. This Level 1 book is appropriate for children who are just beginning to read. Ms. Hill brings 28 fish to...