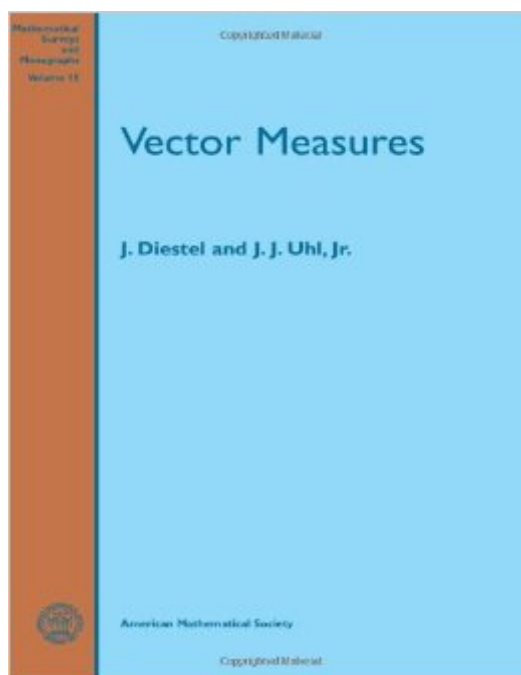


The book was found

# Vector Measures (Mathematical Surveys, Number 15)



## Synopsis

In this survey the authors endeavor to give a comprehensive examination of the theory of measures having values in Banach spaces. The interplay between topological and geometric properties of Banach spaces and the properties of measures having values in Banach spaces is the unifying theme. The first chapter deals with countably additive vector measures finitely additive vector measures, the Orlicz-Pettis theorem and its relatives. Chapter II concentrates on measurable vector valued functions and the Bochner integral. Chapter III begins the study of the interplay among the Radon-Nikodym theorem for vector measures, operators on  $L_1$  and topological properties of Banach spaces. A variety of applications is given in the next chapter. Chapter V deals with martingales of Bochner integrable functions and their relation to dentable subsets of Banach spaces. Chapter VI is devoted to a measure-theoretic study of weakly compact absolutely summing and nuclear operators on spaces of continuous functions. In Chapter VII a detailed study of the geometry of Banach spaces with the Radon-Nikodym property is given. The next chapter deals with the use of Radon-Nikodym theorems in the study of tensor products of Banach spaces. The last chapter concludes the survey with a discussion of the Liapounoff convexity theorem and other geometric properties of the range of a vector measure. Accompanying each chapter is an extensive survey of the literature and open problems.

## Book Information

Paperback: 322 pages

Publisher: Amer Mathematical Society (June 1977)

Language: English

ISBN-10: 0821815156

ISBN-13: 978-0821815151

Product Dimensions: 0.8 x 7 x 10.2 inches

Shipping Weight: 1.2 pounds (View shipping rates and policies)

Average Customer Review: 5.0 out of 5 stars [See all reviews](#) (1 customer review)

Best Sellers Rank: #383,587 in Books (See Top 100 in Books) #12 in [Books > Science & Math > Mathematics > Transformations](#) #3607 in [Books > Textbooks > Science & Mathematics > Mathematics](#)

## Customer Reviews

Vector Measures is the best book on this subject! The general treatment is very nice...this book is perfect if you know the book "Linear Operators, vol I" of Dunford and Schwartz.

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

Vector Measures (Mathematical Surveys, Number 15) Representations of Algebraic Groups (Mathematical Surveys and Monographs) Color-by-Number: Butterflies: 30+ fun & relaxing color-by-number projects to engage & entertain Color-by-Number: Animals: 30+ fun & relaxing color-by-number projects to engage & entertain Contemporary's Number Power 6: Real World Approach to Math : Word Problems (The number power series) Number, Shape, & Symmetry: An Introduction to Number Theory, Geometry, and Group Theory A Friendly Introduction to Number Theory (4th Edition) (Featured Titles for Number Theory) The Sixteenth Round: From Number 1 Contender to Number 45472 The Number Mysteries: A Mathematical Odyssey through Everyday Life (MacSci) Land Surveys: A Guide for Lawyers and Other Professionals Designing and Conducting Health Surveys: A Comprehensive Guide A Short History of the Ismailis: Traditions of a Muslim Community (The New Edinburgh Islamic Surveys) Shi'ism (New Edinburgh Islamic Surveys) Surveys In Social Research (Social Research Today) Internet, Phone, Mail, and Mixed-Mode Surveys: The Tailored Design Method Land Tenure, Boundary Surveys, and Cadastral Systems Etale Cohomology and the Weil Conjecture (Ergebnisse der Mathematik und ihrer Grenzgebiete. 3. Folge / A Series of Modern Surveys in Mathematics) Profinite Groups (Ergebnisse der Mathematik und ihrer Grenzgebiete. 3. Folge / A Series of Modern Surveys in Mathematics) Finite Groups: An Introduction (vol. 10 of the Surveys of Modern Mathematics book series) Elementary Cryptanalysis: A Mathematical Approach (Mathematical Association of America Textbooks)

[Dmca](#)