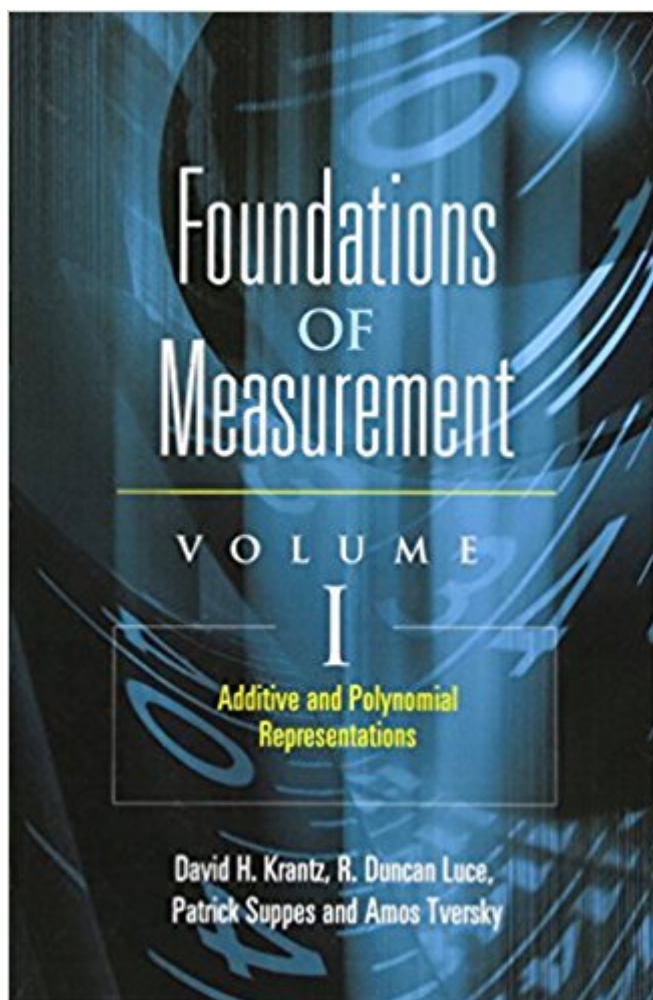


The book was found

Foundations Of Measurement Volume I: Additive And Polynomial Representations (Dover Books On Mathematics)



Synopsis

All of the sciences — physical, biological, and social — have a need for quantitative measurement. This influential series, *Foundations of Measurement*, established the formal foundations for measurement, justifying the assignment of numbers to objects in terms of their structural correspondence. Volume I introduces the distinct mathematical results that serve to formulate numerical representations of qualitative structures. Volume II extends the subject in the direction of geometrical, threshold, and probabilistic representations, and Volume III examines representation as expressed in axiomatization and invariance.

Book Information

Series: Dover Books on Mathematics (Book 1)

Paperback: 624 pages

Publisher: Dover Publications (December 15, 2006)

Language: English

ISBN-10: 0486453146

ISBN-13: 978-0486453149

Product Dimensions: 6.3 x 1.2 x 8.5 inches

Shipping Weight: 1.3 pounds (View shipping rates and policies)

Average Customer Review: 3.4 out of 5 stars 2 customer reviews

Best Sellers Rank: #812,570 in Books (See Top 100 in Books) #110 in Books > Engineering & Transportation > Engineering > Reference > Measurements #1456 in Books > Science & Math > Experiments, Instruments & Measurement #8912 in Books > Textbooks > Science & Mathematics > Mathematics

Customer Reviews

David H. Krantz is affiliated with Columbia University; R. Duncan Luce with the University of California, Irvine; and Patrick Suppes with Stanford University. Amos Tversky is deceased.

A note: this review is written from a philosopher's viewpoint; I have not focused on its relevance for the empirical sciences themselves. The *Foundations of Measurement* volumes by Krantz, Luce, Suppes and Tversky are classics in the philosophy of science, and Dover have, as usual, made a beautiful contribution to the field by reissuing them at such a cheap price. In here you will find all you need to know about how to assign numbers or other mathematical objects to empirical quantities or phenomena in a non-arbitrary way. You will also find discussions of dimensional analysis,

probability, and of the meaning of invariance, all tied together with rigorous but accessible mathematics. All philosophers, and not only philosophers of science, could learn a lot from these books: moral philosophers who wonder about what it means to compare add up different persons' values, or different goods. Epistemologists who wonder about the proper way to represent belief. And metaphysicians who wonder about determinates and determinables, or for that matter about the general relationship between the world and our mathematical representations of it.

the series of 3 books is a philosophic-analytic approach to measurement which unfortunately does not really address the fundamental issues of measurement. Whitehead and Russell forward 100 years sans elegance.

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

Foundations of Measurement Volume I: Additive and Polynomial Representations (Dover Books on Mathematics) Interior Point Polynomial Algorithms in Convex Programming (Siam Studies in Applied Mathematics) Quiver Representations (CMS Books in Mathematics) Tests & Measurement for People Who (Think They) Hate Tests & Measurement Applied Measurement Engineering: How to Design Effective Mechanical Measurement Systems ISO/IEC Guide 98-3:2008, Uncertainty of measurement - Part 3: Guide to the expression of uncertainty in measurement (GUM:1995) The Classical Groups: Their Invariants and Representations (Princeton Landmarks in Mathematics and Physics) Lie Groups, Lie Algebras, and Representations: An Elementary Introduction (Graduate Texts in Mathematics) The Symmetric Group: Representations, Combinatorial Algorithms, and Symmetric Functions (Graduate Texts in Mathematics, Vol. 203) Low Carb Recipes: American Cooking Recipes - Paleo Diet Cookbook for Healthy Eating, Quick and Easy Recipes, Weight Loss Cooking Recipes, Salad, 130+ Additive Free, American Recipes Additive Manufacturing of Titanium Alloys: State of the Art, Challenges and Opportunities Additive Manufacturing Technologies: 3D Printing, Rapid Prototyping, and Direct Digital Manufacturing Additive Manufacturing Number Systems and the Foundations of Analysis (Dover Books on Mathematics) Foundations of Combinatorics with Applications (Dover Books on Mathematics) READING ORDER: TAMI HOAG: BOOKS LIST OF THE BITTER SEASON, KOVAC/LISKA BOOKS, HENNESSY BOOKS, QUAID HORSES, DOUCET BOOKS, DEER LAKE BOOKS, ELENA ESTES BOOKS, OAK KNOLL BOOKS BY TAMI HOAG Mathematics and the Imagination (Dover Books on Mathematics) Mathematics for Quantum Mechanics: An Introductory Survey of Operators, Eigenvalues, and Linear Vector Spaces (Dover Books on Mathematics) The Nature and Power of Mathematics (Dover Books on Mathematics) Mathematics and the Physical World (Dover Books on Mathematics)

[Contact Us](#)

[DMCA](#)

[Privacy](#)

[FAQ & Help](#)