



Contributions to Mathematical Psychology, Psychometrics, and Methodology

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Book Condition: New. Publisher/Verlag: Springer, Berlin | Contributions to Mathematical Psychology, Psychometrics and Methodology presents the most esteemed research findings of the 22nd European Mathematical Psychology Group meeting in Vienna, Austria, September 1991. The selection of work appearing in this volume contains not only contributions to mathematical psychology in the narrow sense, but also work in psychometrics and methodology, with the common element of all contributions being their attempt to deal with scientific problems in psychology with rigorous mathematics reasoning. The book contains 28 chapters divided into five parts: Perception, Learning, and Cognition; Choice and Reaction Time; Social Systems; Measurement and Psychometrics; and Methodology. It is of interest to all mathematical psychologists, educational psychologists, and graduate students in these areas. | I: Perception, Learning, and Cognition.- 1. Metrics in Color Spaces: Im Kleinen und im Großen.- 2. Color Similarity Represented as a Metric of Color Space.- 3. The Gravity Lens Illusion and its Mathematical Model.- 4. Analysis of a Model for Source Monitoring.- 5. Feature Representations in Connectionist Systems.- 6. Finite Markov Learning Models for Knowledge Structures.- 7. Stochastic Learning Paths - Estimation and Simulation.- 8. Knowledge Spaces and Skill Assignments.- 9. Construction of Knowledge Spaces for Problem Solving in...



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