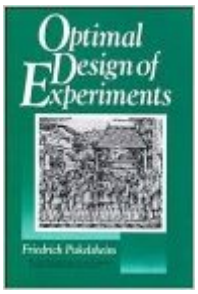
Optimal Design Of Experiments



Synopsis

Devoted to a unified optimality theory, merging three otherwise distinct mathematical disciplines to embrace an astonishingly wide variety of design problems. Outlines typical settings, namely D-, A-, and E-optimal, polynominal regression designs, Bayesian designs, structures for model discrimination, balanced incomplete block arrangements or rotatable response surface designs. The design problems stem from statistics but are solved using special tools from linear algebra and convex analysis.

Book Information

Series: Wiley Series in Probability and Statistics (Book 216)
Hardcover: 480 pages
Publisher: Wiley-Interscience; 1 edition (March 8, 1993)
Language: English
ISBN-10: 047161971X
ISBN-13: 978-0471619710
Product Dimensions: 6.4 x 1.4 x 9.7 inches
Shipping Weight: 1.6 pounds
Average Customer Review: Be the first to review this item
Best Sellers Rank: #656,544 in Books (See Top 100 in Books) #249 inÃ Â Books > Science & Math > Experiments, Instruments & Measurement > Experiments & Projects #2069 inÃ Â Books > Textbooks > Science & Mathematics > Mathematics > Statistics #2932 inÃ Â Books > Science & Math > Mathematics > Applied > Probability & Statistics

Customer Reviews

Optimal Design of Experiments offers a rare blend of linear algebra, convex analysis, and statistics. Since the book’s initial publication in 1993, readers have used its methods to derive optimal designs on the circle, optimal mixture designs, and optimal designs in other statistical models. --This text refers to the Paperback edition.

Devoted to a unified optimality theory, merging three otherwise distinct mathematical disciplines to embrace an astonishingly wide variety of design problems. Outlines typical settings, namely D-, A-, and E-optimal, polynominal regression designs, Bayesian designs, structures for model discrimination, balanced incomplete block arrangements or rotatable response surface designs. The design problems stem from statistics but are solved using special tools from linear algebra and

convex analysis.

Optimal Design of Experiments Graphic Design Success: Over 100 Tips for Beginners in Graphic Design: Graphic Design Basics for Beginners, Save Time and Jump Start Your Success (graphic ... graphic design beginner, design skills) Frame Design for Boat Tops: The How and Why for Optimal Design and Construction The Everything Kids' Easy Science Experiments Book: Explore the world of science through quick and fun experiments! (EverythingÃ Â® Kids) Science Experiments For Kids: 40 + Cool Kids Science Experiments (A Fun & Safe Kids Science Experiment Book) Garbage and Recycling: Environmental Facts and Experiments (Young Discoverers: Environmental Facts and Experiments) Environmental Experiments About Air (Science Experiments for Young People) Dad's Book of Awesome Science Experiments: From Boiling Ice and Exploding Soap to Erupting Volcanoes and Launching Rockets, 30 Inventive Experiments to Excite the Whole Family! (Dads Book of Awesome) Space and Astronomy Experiments (Facts on File Science Experiments) Simple Machine Experiments Using Seesaws, Wheels, Pulleys, and More: One Hour or Less Science Experiments (Last-Minute Science Projects) Genetics Experiments (Facts on File Science Experiments) Human Body Experiments (Facts on File Science Experiments) Rain Forest Experiments: 10 Science Experiments in One Hour or Less (Last Minute Science Projects with Biomes) Weather and Climate Experiments (Facts on File Science Experiments) Experiments for Future Forensic Scientists (Experiments for Future Stem Professionals) Physical Science Experiments (Facts on File Science Experiments) Ecology Experiments (Facts on File Science Experiments) Environmental Science Experiments (Facts on File Science Experiments) Environmental Science Experiments (Experiments for Future Scientists) Marine Science Experiments (Facts on File Science Experiments)