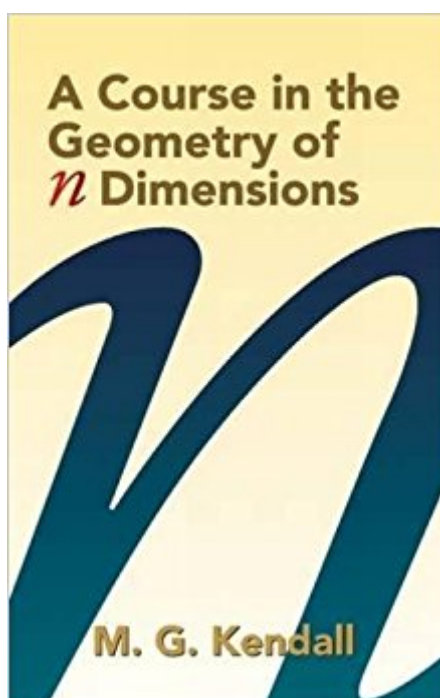


The book was found

A Course In The Geometry Of N Dimensions (Dover Books On Mathematics)



Synopsis

This text for undergraduate students provides a foundation for resolving proofs dependent on n -dimensional systems. The author takes a concise approach, setting out that part of the subject with statistical applications and briefly sketching them. The two-part treatment begins with simple figures in n dimensions and advances to examinations of the contents of hyperspheres, hyperellipsoids, hyperprisms, parallelotopes, hyperpyramids, and simplexes. The second part explores the mean in rectangular variation, the correlation coefficient in bivariate normal variation, Wishart's distribution, correlations as angles, regression and multiple correlation, canonical correlations, and component analysis. 1961 edition.

Book Information

Series: Dover Books on Mathematics

Paperback: 80 pages

Publisher: Dover Publications; Dover Ed edition (July 15, 2004)

Language: English

ISBN-10: 0486439275

ISBN-13: 978-0486439273

Product Dimensions: 8.5 x 5.4 x 0.3 inches

Shipping Weight: 4 ounces

Average Customer Review: 4.2 out of 5 stars 2 customer reviews

Best Sellers Rank: #998,922 in Books (See Top 100 in Books) #125 in [Books > Science & Math > Mathematics > Geometry & Topology > Analytic Geometry](#) #4183 in [Books > Science & Math > Mathematics > Applied > Probability & Statistics](#)

Customer Reviews

Wonderful minibook.

This text was written to give a rapid introduction to the topic to statistics students who are having conceptual difficulties with the idea of more than 3 spacelike dimensions. The idea of using geometric intuition to explain the interaction of multiple variables has been very fruitful in dimensions up to 3 and can be as extended as fruitfully to collections of more than 3 variables, if the reader can first get over the intellectual hurdle that says that geometry has to have some physical referent. This book does a very good job on that account. It doesn't go very deeply into any aspect of the topic. Prerequisites are Calculus of several variables (partial derivatives), a first course in linear

algebra and high school geometry. A prospective reader who wants a deep understanding of the subject should really read Sommerville's *An Introduction to the Geometry of n Dimensions* instead. Please note that Sommerville expects a higher level of knowledge of geometry and analysis than does Kendall.

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

A Course in the Geometry of n Dimensions (Dover Books on Mathematics) Taxicab Geometry: An Adventure in Non-Euclidean Geometry (Dover Books on Mathematics) Fractal Geometry and Dynamical Systems in Pure and Applied Mathematics I: Fractals in Pure Mathematics (Contemporary Mathematics) Modern Geometry – Methods and Applications: Part I: The Geometry of Surfaces, Transformation Groups, and Fields (Graduate Texts in Mathematics) (Pt. 1) A Vector Space Approach to Geometry (Dover Books on Mathematics) Tensor and Vector Analysis: With Applications to Differential Geometry (Dover Books on Mathematics) Solid Analytic Geometry (Dover Books on Mathematics) Modern Calculus and Analytic Geometry (Dover Books on Mathematics) Non-Euclidean Geometry (Dover Books on Mathematics) Introduction to Non-Euclidean Geometry (Dover Books on Mathematics) Topology and Geometry for Physicists (Dover Books on Mathematics) Euclidean Geometry and Transformations (Dover Books on Mathematics) Geometry, Relativity and the Fourth Dimension (Dover Books on Mathematics) The Dimensions of Paradise: Sacred Geometry, Ancient Science, and the Heavenly Order on Earth
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 Algebraic Geometry: A First Course (Graduate Texts in Mathematics) (v. 133) Mathematics and the Imagination (Dover Books on Mathematics) One Hundred Problems in Elementary Mathematics (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)

[Contact Us](#)

[DMCA](#)

[Privacy](#)

[FAQ & Help](#)