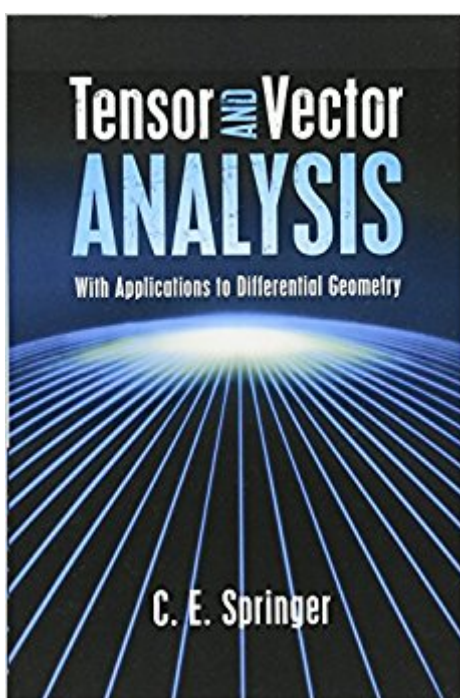


The book was found

# Tensor And Vector Analysis: With Applications To Differential Geometry (Dover Books On Mathematics)



## Synopsis

Concise and user-friendly, this college-level text assumes only a knowledge of basic calculus in its elementary and gradual development of tensor theory. The introductory approach bridges the gap between mere manipulation and a genuine understanding of an important aspect of both pure and applied mathematics. Beginning with a consideration of coordinate transformations and mappings, the treatment examines loci in three-space, transformation of coordinates in space and differentiation, tensor algebra and analysis, and vector analysis and algebra. Additional topics include differentiation of vectors and tensors, scalar and vector fields, and integration of vectors. The concluding chapter employs tensor theory to develop the differential equations of geodesics on a surface in several different ways to illustrate further differential geometry.

## Book Information

Series: Dover Books on Mathematics

Paperback: 256 pages

Publisher: Dover Publications; 2012 edition (November 21, 2012)

Language: English

ISBN-10: 0486498018

ISBN-13: 978-0486498010

Product Dimensions: 6 x 0.5 x 9 inches

Shipping Weight: 8.8 ounces (View shipping rates and policies)

Average Customer Review: 4.0 out of 5 stars 1 customer review

Best Sellers Rank: #1,416,114 in Books (See Top 100 in Books) #103 in Books > Science & Math > Mathematics > Applied > Vector Analysis #179 in Books > Science & Math > Mathematics > Geometry & Topology > Differential Geometry

## Customer Reviews

ok

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

Tensor and Vector Analysis: With Applications to Differential Geometry (Dover Books on Mathematics) Vector and Tensor Analysis with Applications (Dover Books on Mathematics) Vector and Tensor Analysis (Dover Books on Mathematics) Introduction to Vector and Tensor Analysis (Dover Books on Mathematics) Vector & Tensor Analysis With Applications Schaum's Outlines Vector Analysis (And An Introduction to Tensor Analysis) Applications of Tensor Analysis (Dover

Books on Mathematics) Tensor Analysis on Manifolds (Dover Books on Mathematics) A Vector Space Approach to Geometry (Dover Books on Mathematics) Principles of Tensor Calculus: Tensor Calculus Spectral Geometry of the Laplacian: Spectral Analysis and Differential Geometry of the Laplacian Mathematics for Quantum Mechanics: An Introductory Survey of Operators, Eigenvalues, and Linear Vector Spaces (Dover Books on Mathematics) A History of Vector Analysis: The Evolution of the Idea of a Vectorial System (Dover Books on Mathematics) Vector Analysis (Dover Books on Mathematics) Elements of Tensor Calculus (Dover Books on Mathematics) Tensor Calculus: A Concise Course (Dover Books on Mathematics) An Introduction to Differential Equations and Their Applications (Dover Books on Mathematics) Taxicab Geometry: An Adventure in Non-Euclidean Geometry (Dover Books on Mathematics) Differential Equations and Their Applications: An Introduction to Applied Mathematics (Texts in Applied Mathematics) (v. 11) Modern Geometry • Methods and Applications: Part I: The Geometry of Surfaces, Transformation Groups, and Fields (Graduate Texts in Mathematics) (Pt. 1)

[Contact Us](#)

[DMCA](#)

[Privacy](#)

[FAQ & Help](#)