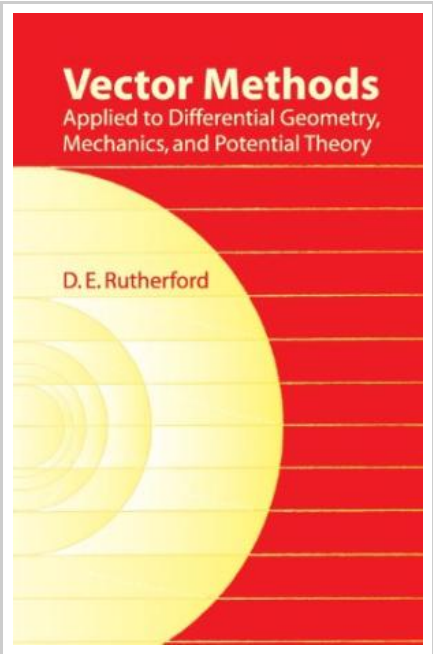

Vector Methods Applied to Differential Geometry, Mechanics, and Potential Theory

By Mathematics

Dover Publications. Paperback. Book Condition: New. Paperback. 160 pages. Dimensions: 8.3in. x 5.3in. x 0.3in.Designed to familiarize undergraduates with the methods of vector algebra and vector calculus, this text offers both a clear view of the abstract theory as well as a concise survey of the theorys applications to various branches of pure and applied mathematics. A chapter on differential geometry introduces readers to the study of this subject by the methods of vector algebra. The next section explores the many aspects of the theory of mechanics adaptable to the use of vectors, and a full discussion of the vector operator nabla proceeds to a treatment of potential theory and Laplaces equation. This includes applications to the theories of gravitation, hydrodynamics, and electricity. A brief chapter on four-dimensional vectors concludes the text. This item ships from multiple locations. Your book may arrive from Roseburg,OR, La Vergne,TN. Paperback.

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