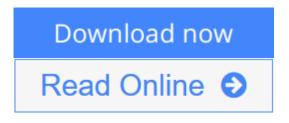


### **Vector Analysis and Cartesian Tensors**

By D. E. Bourne, P. C. Kendall



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Vector Analysis and Cartesian Tensors, Second Edition focuses on the processes, methodologies, and approaches involved in vector analysis and Cartesian tensors, including volume integrals, coordinates, curves, and vector functions.

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The manuscript ponders on representation theorems for isotropic tensor functions, Cartesian tensors, applications in potential theory, and integral theorems. Topics include geometrical and physical significance of divergence and curl, Poisson's equation in vector form, isotropic scalar functions of symmetrical second order tensors, and diagonalization of second-order symmetrical tensors.

The publication is a valuable reference for mathematicians and researchers interested in vector analysis and Cartesian tensors.

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