Título:

Autor: **Precio:** $699.07

Editorial: **Año:** 1992

Tema: **Edición:** 1ª

Sinopsis   **ISBN:** 9780821827963

This book explains, as clearly as possible, tensors and such related topics as tensor products of vector spaces, tensor algebras, and exterior algebras. You will appreciate Yokonuma's lucid and methodical treatment of the subject. This book is useful in undergraduate and graduate courses in multilinear algebra.

Tensor Spaces and Exterior Algebra begins with basic notions associated with tensors. To facilitate understanding of the definitions, Yokonuma often presents two or more different ways of describing one object. Next, the properties and applications of tensors are developed, including the classical definition of tensors and the description of relative tensors. Also discussed are the algebraic foundations of tensor calculus and applications of exterior algebra to determinants and to geometry. This book closes with an examination of algebraic systems with bilinear multiplication. In particular, Yokonuma discusses the theory of replicas of Chevalley and several properties of Lie algebras deduced from them.

Table of Contents

Definition of tensor products
Tensors and tensor algebras
Exterior algebra and its applications
Algebraic systems with bilinear multiplication. Lie algebras
Exercises
References for the English edition
Subject index