



Supermanifolds: Theory and Applications

By Alice Rogers, Paul Howe

World Scientific Publishing Co Pte Ltd. Hardback. Book Condition: new. BRAND NEW, Supermanifolds: Theory and Applications, Alice Rogers, Paul Howe, This book aims to fill the gap in the literature available on supermanifolds. In two sections, the book describes the different approaches to supermanifolds, with applications to physics, including some which rely on the more mathematical aspects of supermanifold theory. The first part of the book contains a full introduction to the theory of supermanifolds, comparing and contrasting the different approaches that exist. This section includes tensor calculus on supermanifolds, supervector bundles, superlie groups and integration theory. The second part emphasizes applications. It begins with a review of supersymmetry and a treatment of various supersymmetric theories in flat superspace, in particular supersymmetric Yang-Mills theories. It continues with supergravity theories in various dimensions and their associated supermanifold formulations. Included is a discussion of harmonic superspace. The final topic is super-Riemann surfaces, their geometry and their role in string theory.



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Reviews

Good eBook and helpful one. It really is written in straightforward words and phrases and never confusing. I am just effortlessly could possibly get a enjoyment of looking at a published book.

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The book is great and fantastic. it absolutely was written very properly and beneficial. It is extremely difficult to leave it before concluding, once you begin to read the book.

-- **Lyda Davis II**