



Kobordismentheorie

By Theodor Bröcker

Springer Jan 1970, 1970. Taschenbuch. Book Condition: Neu. 23.5x15.5x cm. Neuware - These notes were taken from lectures given by tom Dieck in the winter-term 1969/70 at the Mathematical Institute in Heidelberg. The aim of the lectures was to introduce the students to cobordism theory and to propagate ideas of Boardman and Quillen about the calculation of cobordism theories with the aid of formal groups. These notes give an enlarged version of the lectures with many details and proofs filled in. A chapter on unitary cobordism has been left out and will appear separately. The contents of the notes are as follows: In chapter I we recall those parts of differential topology and of the theory of vector bundles which we will use. This is only to remind the reader of well known facts or to give hints at necessary prerequisites to students willing to learn differential topology. Apart from these facts we assume knowledge of elementary homotopy theory and classical cohomology with coefficients in \mathbb{Z}_2 , characterized by the Eilenberg-Steenrod axioms. In chapter II the (non oriented) bordism homology theory $N(-)$ is defined by singular manifolds. We verify the axioms of a homology theory. Our approach differs...



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