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<<复流形上的微分分析>>

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内容概要

this book is an outgrowth and a considerable expansion of lectures given at Brandeis University in 1967-1968 and at Rice University in 1968-1969. The first four chapters are an attempt to survey in detail some recent developments in four somewhat different areas, of mathematics: geometry (manifolds and vector bundles), algebraic topology, differential geometry, and partial differential equations. In these chapters, I have developed various tools that are useful in the study of compact complex manifolds. My motivation for the choice of topics developed was governed mainly by the applications anticipated in the last two chapters. Two principal topics developed include Hodge's theory of harmonic integrals and Kodaira's characterization of projective algebraic manifolds.

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