Record Nr. UNINA9910144618303321 Autore Abate Marco **Titolo** Real Methods in Complex and CR Geometry: Lectures given at the C.I. M.E. Summer School held in Martina Franca, Italy, June 30 - July 6, 2002 // by Marco Abate, John Erik Fornaess, Xiaojun Huang, Jean-Pierre Rosay, Alexander Tumanoy; edited by Dmitri Zaitsey, Giuseppe Zampieri Pubbl/distr/stampa Berlin, Heidelberg:,: Springer Berlin Heidelberg:,: Imprint: Springer, **ISBN** 3-540-44487-4 Edizione [1st ed. 2004.] Descrizione fisica 1 online resource (IX, 219 p.) Collana C.I.M.E. Foundation Subseries; ; 1848 Disciplina 515.946 Soggetti Functions of complex variables Several Complex Variables and Analytic Spaces Lingua di pubblicazione Inglese **Formato** Materiale a stampa Livello bibliografico Monografia Note generali Bibliographic Level Mode of Issuance: Monograph Nota di contenuto Preface -- M. Abate: Angular Derivatives in Several Complex Variables -- J.E. Fornaess: Real Methods in Complex Dynamics -- X. Huang: Local Equivalence Problems for Real Submanifolds in Complex Spaces -- J.-P. Rosay: Introduction to a General Theory of Boundary Values -- A. Tumanov: Extremal Discs and the Geometry of CR Manifolds. The geometry of real submanifolds in complex manifolds and the Sommario/riassunto analysis of their mappings belong to the most advanced streams of contemporary Mathematics. In this area converge the techniques of various and sophisticated mathematical fields such as P.D.E.'s, boundary value problems, induced equations, analytic discs in symplectic spaces, complex dynamics. For the variety of themes and the surprisingly good interplaying of different research tools, these problems attracted the attention of some among the best mathematicians of these latest two decades. They also entered as a refined content of an advanced education. In this sense the five lectures of this volume provide an excellent cultural background while giving

very deep insights of current research activity.