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Autore	Berenstein Carlos A.
Titolo	Integral Geometry, Radon Transforms and Complex Analysis : Lectures given at the 1st Session of the Centro Internazionale Matematico Estivo (C.I.M.E.) held in Venice, Italy, June 3-12, 1996 / / by Carlos A. Berenstein, Peter F. Ebenfelt, Simon Gindikin, Sigurdur Helgason, Alexander Tumanov ; edited by Enrico Casadio Tarabusi, Massimo A. Picardello, Giuseppe Zampieri
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Nota di contenuto	Randon transforms, wavelets, and applications -- Holomorphic mappings between real analytic submanifolds in complex space -- Real integral geometry and complex analysis -- Radon transforms and wave equations -- Analytic discs and the extendibility of CR functions.
Sommario/riassunto	This book contains the notes of five short courses delivered at the "Centro Internazionale Matematico Estivo" session "Integral Geometry, Radon Transforms and Complex Analysis" held in Venice (Italy) in June 1996: three of them deal with various aspects of integral geometry, with a common emphasis on several kinds of Radon transforms, their properties and applications, the other two share a stress on CR manifolds and related problems. All lectures are accessible to a wide audience, and provide self-contained introductions and short surveys on the subjects, as well as detailed expositions of selected results.