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Note generali	Seven expository lectures, the basis for the Summer Symposium of Analysis in China, held at Peking University in Sept. 1984.
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Nota di contenuto	Frontmatter -- TABLE OF CONTENTS -- PREFACE -- NON-LINEAR HARMONIC ANALYSIS, OPERATOR THEORY AND P.D.E. / Coifman, R. R. / Meyer, Yves -- MULTIPARAMETER FOURIER ANALYSIS / Fefferman, Robert -- ELLIPTIC BOUNDARY VALUE PROBLEMS ON LIPSCHITZ DOMAINS / Kenig, Carlos E. -- INTEGRAL FORMULAS IN COMPLEX ANALYSIS / Krantz, Steven G. -- VECTOR FIELDS AND NONISOTROPIC METRICS / Nagel, Alexander -- OSCILLATORY INTEGRALS IN FOURIER ANALYSIS / Stein, E. M. -- AVERAGES AND SINGULAR INTEGRALS OVER LOWER DIMENSIONAL SETS / Waingee, Stephen -- INDEX -- Backmatter
Sommario/riassunto	Based on seven lecture series given by leading experts at a summer school at Peking University, in Beijing, in 1984. this book surveys recent developments in the areas of harmonic analysis most closely related to the theory of singular integrals, real-variable methods, and applications to several complex variables and partial differential equations. The different lecture series are closely interrelated; each contains a substantial amount of background material, as well as new results not previously published. The contributors to the volume are R. R. Coifman and Yves Meyer, Robert Fcfferman, Carlos K. Kenig, Steven G. Krantz, Alexander Nagel, E. M. Stein, and Stephen Wainger.