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Nota di contenuto	Marcel Riesz in Lund -- Interpolation of tent spaces and applications -- Toeplitz liftings of hankel forms -- Some recent developments in fourier analysis and HP theory on product domains — II -- A unified approach to atomic decompositions via integrable group representations -- The work of coifman and semmes on complex interpolation, several complex variables, and PDE's -- Interpolation of quasinormed spaces by the complex method -- New and old function spaces -- A note on choquet integrals with respect to Hausdorff capacity -- Besov norms of rational functions -- Functions of bounded mean oscillation and Hausdorff-Young type theorems -- Remarks on local function spaces -- The classes V_a are monotone -- Hardy-Sobolev spaces and Besov spaces with a function parameter -- An extension of fourier type to quasi-Banach spaces -- λ -Moduli and interpolation -- Interpolation spaces and non-linear approximation -- Atomic decompositions in Hardy spaces on bounded lipschitz domains -- The λ -transform and applications to distribution spaces -- Approximation by solutions of elliptic boundary value problems in various function spaces -- Interpolation of subspaces and quotient spaces by the complex method -- On interpolation of multi-linear operators -- Markov's inequality and local polynomial approximation -- Two weights weak type inequality for the maximal function in the

zygmund class -- Banach envelopes of some interpolation quasi-banach spaces -- A construction of eigenvectors for the canonical isometry -- Smoothness of Schmidt functions of smooth Hankel operators -- Real interpolation between some operator ideals -- Direct and converse theorems for spline and rational approximation and besov spaces -- Interpolation of some analytic families of operators -- Function spaces on lie groups and on analytic manifolds -- Equivalent normalizations of Sobolev and Nikol'ski? spaces in domains. boundary values and extension -- Remarks on interpolation of subspaces -- Spectral analysis in spaces of continuous functions -- Lipschitz spaces and interpolating polynomials on subsets of euclidean space -- Problem section -- Errata.

Sommario/riassunto

This seminar is a loose continuation of two previous conferences held in Lund (1982, 1983), mainly devoted to interpolation spaces, which resulted in the publication of the Lecture Notes in Mathematics Vol. 1070. This explains the bias towards that subject. The idea this time was, however, to bring together mathematicians also from other related areas of analysis. To emphasize the historical roots of the subject, the collection is preceded by a lecture on the life of Marcel Riesz.
