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Collana	Lecture Notes in Mathematics, , 0075-8434 ; ; 1745
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Soggetti	Functional analysis Convex geometry Discrete geometry Probabilities Functional Analysis Convex and Discrete Geometry Probability Theory and Stochastic Processes
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Nota di contenuto	The transportation cost for the cube -- The uniform concentration of measure phenomenon in ? p n (1 ? p ? 2) -- An editorial comment on the preceding paper -- A remark on the slicing problem -- Remarks on the growth of L p -norms of polynomials -- Positive lyapounov exponents for most energies -- Anderson localization for the band model -- Convex bodies with minimal mean width -- Euclidean projections of a p-convex body -- Remarks on minkowski symmetrizations -- Average volume of sections of star bodies -- Between sobolev and poincaré -- Random aspects of high-dimensional convex bodies -- A geometric lemma and duality of entropy numbers -- Stabilized asymptotic structures and envelopes in banach spaces -- On the isotropic constant of Non-symmetric convex bodies -- Concentration on the ? p n ball -- Shannon’s entropy power inequality via restricted minkowski sums -- Notes on an inequality by pisier for functions on the discrete cube -- More on embedding subspaces of L p

into ? p N , 0 p < 1 -- Seminar talks.

Sommario/riassunto

This volume of original research papers from the Israeli GAFA seminar during the years 1996-2000 not only reports on more traditional directions of Geometric Functional Analysis, but also reflects on some of the recent new trends in Banach Space Theory and related topics. These include the tighter connection with convexity and the resulting added emphasis on convex bodies that are not necessarily centrally symmetric, and the treatment of bodies which have only very weak convex-like structure. Another topic represented here is the use of new probabilistic tools; in particular transportation of measure methods and new inequalities emerging from Poincaré-like inequalities.