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Nota di contenuto	Intro -- Title -- Preface -- The Start of GAFA Seminar Notes: Some Memories After 20 Years of Activity -- Contents -- 1 Introduction -- 2 Proof of Theorem 2 -- References -- 0 Introduction -- 1 Background -- 2 Hard Lefschetz Theorem for Even Valuations -- 3 The Case of Odd Valuations -- 4 Hard Lefschetz Theorem for Even Valuations from [A4] -- References -- References -- 1 Introduction -- 2 Decay of Norm for a Single Point -- 3 Decay of Diameter of a Convex Body -- 4 Remarks -- 5 Appendix -- References -- 1 A Construction of the Brenier Map -- 2 The Brunn-Minkowski Inequality -- 3 The Marton-Talagrand Inequality -- References -- 1 Introduction -- 2 The Approximation Argument -- 3 The Continuous Version of the Inequalities -- References -- 1 Introduction -- 2 Proof of the Inverse Brascamp-Lieb Inequality -- 3 The Brascamp-Lieb Inequality -- References -- References -- 1 Introduction -- 2 A Distributional Inequality -- 3 Application to Certain Lattice Schrodinger Operators -- 4 A Continuum Model -- 5 Remark on the IDS of the 1-D Bernoulli Model with Weak

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Sommario/riassunto

The Israeli GAFA seminar (on Geometric Aspect of Functional Analysis) during the years 2002-2003 follows the long tradition of the previous volumes. It reflects the general trends of the theory. Most of the papers deal with different aspects of the Asymptotic Geometric Analysis. In

addition the volume contains papers on related aspects of Probability, classical Convexity and also Partial Differential Equations and Banach Algebras. There are also two expository papers on topics which proved to be very much related to the main topic of the seminar. One is Statistical Learning Theory and the other is Models of Statistical Physics. All the papers of this collection are original research papers.
