Record Nr. UNISALENTO991002945689707536 Geometric aspects of functional analysis: Israel Seminar (GAFA) 2011-**Titolo** 2013 / Bo'az Klartag, Emanuel Milman, editors Pubbl/distr/stampa Cham [Switzerland]: Springer, c2014 **ISBN** 9783319094762 Descrizione fisica ix, 463 p.: ill.; 24 cm Lecture notes in mathematics, 0075-8434; 2116 Collana Classificazione AMS 46-06 AMS 52-06 AMS 60-06 **LC QA319** Altri autori (Persone) Klartag, Bo'azauthor Milman, Emanuelauthor Altri autori (Convegni) Israel Seminar on Geometrical Aspects of Functional Analysis <2011-2013> Disciplina 515.7 Soggetti Functional analysis - Congresses Functional differential equations - Asymptotic theory - Congresses Lingua di pubblicazione Inglese **Formato** Materiale a stampa Livello bibliografico Monografia

Sommario/riassunto

trends in the study of Geometric Aspects of Functional Analysis. Most of the papers deal with different aspects of Asymptotic Geometric Analysis, understood in a broad sense; many continue the study of geometric and volumetric properties of convex bodies and log-concave measures in high-dimensions and in particular the mean-norm, meanwidth, metric entropy, spectral-gap, thin-shell and slicing parameters, with applications to Dvoretzky and Central-Limit-type results. The study of spectral properties of various systems, matrices, operators and potentials is another central theme in this volume. As expected, probabilistic tools play a significant role and probabilistic questions regarding Gaussian noise stability, the Gaussian Free Field and First Passage Percolation are also addressed. The historical connection to the field of Classical Convexity is also well represented with new

properties and applications of mixed-volumes. The interplay between the real convex and complex pluri-subharmonic settings continues to

As in the previous Seminar Notes, the current volume reflects general

manifest itself in several additional articles. All contributions are original research papers and were subject to the usual refereeing standards