

1. Record Nr.	UNINA9910813739203321
Autore	Anikonov IU. E (IUrii Evgenievich)
Titolo	Inverse problems for kinetic and other evolution equations / / Yu.E. Anikonov
Pubbl/distr/stampa	Utrecht, The Netherlands ; ; Boston, Massachusetts : , : VSP, , 2001
ISBN	3-11-094090-6
Edizione	[Reprint 2014]
Descrizione fisica	1 online resource (278 pages) : illustrations
Collana	Inverse and ill-posed problems series
Disciplina	530.15/5353
Soggetti	Evolution equations Inverse problems (Differential equations)
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Bibliographic Level Mode of Issuance: Monograph
Nota di bibliografia	Includes bibliographical references.
Nota di contenuto	Frontmatter -- Introduction -- Contents -- Chapter 1. Formulas for solutions and coefficients of kinetic and other equations -- Chapter 2. Theorems of uniqueness for inverse problems for kinetic equations -- Chapter 3. Spherical harmonic method and inverse problem for kinetic equations -- Chapter 4. Inverse problems for evolution equations of determining two coefficients -- Chapter 5. Some results of multidimensional inverse problems theory -- Bibliography
Sommario/riassunto	This monograph deals with methods of studying multidimensional inverse problems for kinetic and other evolution equations, in particular transfer equations. The methods used are applied to concrete inverse problems, especially multidimensional inverse problems applicable in linear and nonlinear statements. A significant part of the book contains formulas and relations for solving inverse problems, including formulas for the solution and coefficients of kinetic equations, differential-difference equations, nonlinear evolution equations, and second order equations.

2. Record Nr.	UNINA9910482991103321
Titolo	Geometric aspects of functional analysis : Israel Seminar 2006-2010 // Bo'az Klartag, Shahar Mendelson, Vitali D. Milman, editors
Pubbl/distr/stampa	Berlin ; ; Heidelberg, : Springer, c2012
ISBN	3-642-29849-4
Edizione	[1st ed. 2012.]
Descrizione fisica	1 online resource (VIII, 449 p. 3 illus.)
Collana	Lecture notes in mathematics, , 0075-8434 ; ; 2050
Altri autori (Persone)	KlartagBo'az <1978-> MendelsonShahar MilmanVitali D. <1939->
Disciplina	515.7
Soggetti	Functional analysis Functional differential equations - Asymptotic theory
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Bibliographic Level Mode of Issuance: Monograph
Nota di bibliografia	Includes bibliographical references.
Nota di contenuto	The -Cosine Transform and Intertwining Integrals on Real Grassmannians -- On Modules Over Valuations -- On Multiplicative Maps of Continuous and Smooth Functions -- Order Isomorphisms on Convex Functions in Windows -- Finite Transitive Graph Embeddings into a Hyperbolic -- Metric Space Must Stretch or Squeeze -- Tightness of Fluctuations of First Passage Percolation on Some Large Graphs -- Finitely Supported Measures on $SL_2(\mathbb{R})$ which are Absolutely Continuous at Infinity -- Interpolations, Convexity and Geometric Inequalities -- Hypercontractive Measures, Talagrand's Inequality, and Influences -- A Family of Unitary Operators Satisfying a Poisson-Type Summation Formula -- Stability of Order Preserving Transforms -- On the Distribution of the 2-Norm of Linear Functionals on Isotropic Convex Bodies -- A Remark on Vertex Index of the Convex Bodies -- Inner Regularization of Log-Concave Measures and Small-Ball Estimates -- An Operator Equation Generalizing the Leibniz Rule for the Second Derivative -- Moments of Unconditional Logarithmically Concave Vectors -- Projections of Probability Distributions: A Measure-Theoretic Dvoretzky Theorem -- On a Loomis-Whitney Type Inequality for Permutationally Invariant Unconditional Convex Bodies -- The Hörmander Proof of the Bourgain-Milman Theorem -- On Some Extension of Feige's Inequality -- On the Mean Width of Log-Concave

-- Approximate Gaussian Isoperimetry for k Sets -- Remark on Stability of Brunn-Minkowski and Isoperimetric Inequalities for Convex Bodies
-- On Contact Points of Convex Bodies.

Sommario/riassunto

This collection of original papers related to the Israeli GAFA seminar (on Geometric Aspects of Functional Analysis) from the years 2006 to 2011 continues the long tradition of the previous volumes, which reflect the general trends of Asymptotic Geometric Analysis, understood in a broad sense, and are a source of inspiration for new research. Most of the papers deal with various aspects of the theory, including classical topics in the geometry of convex bodies, inequalities involving volumes of such bodies or more generally, logarithmically-concave measures, valuation theory, probabilistic and isoperimetric problems in the combinatorial setting, volume distribution on high-dimensional spaces and characterization of classical constructions in Geometry and Analysis (like the Legendre and Fourier transforms, derivation and others). All the papers here are original research papers.