1. Record Nr. UNISALENTO991001017669707536

Autore	Accademia della Crusca.Centro studi di grammatica
Titolo	Gli aspetti teorici della analisi generativa del linguaggio : atti del seminario : Accademia della Crusca, 16-17 dicembre 1977
Pubbl/distr/stampa	Firenze : Presso l'Accademia della Crusca, 1979
Descrizione fisica	252 p. ; 24 cm
Collana	Studi di grammatica italiana / pubblicati dall'Accademia della Crusca
Lingua di pubblicazione	Italiano
Formato	Materiale a stampa
Livello bibliografico	Monografia

2. Record Nr. UNINA9910165139203321

Autore	Obata Nobuaki
Titolo	Spectral analysis of growing graphs : a quantum probability point of view / / by Nobuaki Obata
Pubbl/distr/stampa	Singapore : , : Springer Singapore : , : Imprint : Springer, , 2017
ISBN	981-10-3506-7
Edizione	[1st ed. 2017.]
Descrizione fisica	1 online resource (VIII, 138 p. 22 illus., 9 illus. in color.)
Collana	SpringerBriefs in Mathematical Physics, , 2197-1757 ; ; 20
Disciplina	515.7222
Soggetti	Mathematical physics Probabilities Graph theory Mathematical Physics Probability Theory and Stochastic Processes Graph Theory
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	1. Graphs and Matrices -- 2. Spectra of Finite Graphs -- 3. Spectral Distributions of Graphs -- 4. Orthogonal Polynomials and Fock Spaces

-- 5. Analytic Theory of Moments -- 6. Method of Quantum Decomposition -- 7. Graph Products and Asymptotics -- References -- Index.

Sommario/riassunto

This book is designed as a concise introduction to the recent achievements on spectral analysis of graphs or networks from the point of view of quantum (or non-commutative) probability theory. The main topics are spectral distributions of the adjacency matrices of finite or infinite graphs and their limit distributions for growing graphs. The main vehicle is quantum probability, an algebraic extension of the traditional probability theory, which provides a new framework for the analysis of adjacency matrices revealing their non-commutative nature. For example, the method of quantum decomposition makes it possible to study spectral distributions by means of interacting Fock spaces or equivalently by orthogonal polynomials. Various concepts of independence in quantum probability and corresponding central limit theorems are used for the asymptotic study of spectral distributions for product graphs. This book is written for researchers, teachers, and students interested in graph spectra, their (asymptotic) spectral distributions, and various ideas and methods on the basis of quantum probability. It is also useful for a quick introduction to quantum probability and for an analytic basis of orthogonal polynomials.

3. Record Nr. UNINA9910557406603321

Autore	San Omer
Titolo	Recent Numerical Advances in Fluid Mechanics
Pubbl/distr/stampa	Basel, Switzerland, : MDPI - Multidisciplinary Digital Publishing Institute, 2020
Descrizione fisica	1 online resource (302 p.)
Soggetti	History of engineering and technology
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Sommario/riassunto	In recent decades, the field of computational fluid dynamics has made significant advances in enabling advanced computing architectures to understand many phenomena in biological, geophysical, and engineering fluid flows. Almost all research areas in fluids use numerical methods at various complexities: from molecular to continuum descriptions; from laminar to turbulent regimes; from low speed to hypersonic, from stencil-based computations to meshless approaches; from local basis functions to global expansions, as well as from first-order approximation to high-order with spectral accuracy. Many successful efforts have been put forth in dynamic adaptation strategies, e.g., adaptive mesh refinement and multiresolution representation approaches. Furthermore, with recent advances in artificial intelligence and heterogeneous computing, the broader fluids community has gained the momentum to revisit and investigate such practices. This Special Issue, containing a collection of 13 papers, brings together researchers to address recent numerical advances in fluid mechanics.