

1. Record Nr.	UNINA9910450560903321
Titolo	Physics and theoretical computer science [[electronic resource]] : from numbers and languages to (quantum) cryptography security / / edited by Jean-Pierre Gazeau, Jaroslav Nesetril and Branislav Rovan
Pubbl/distr/stampa	Amsterdam ; ; Washington, : IOS Press, 2007
ISBN	6610934754 1-280-93475-1 9786610934751 1-4294-9211-2 1-60750-221-6 600-00-0519-9 1-4337-0872-8
Descrizione fisica	1 online resource (348 p.)
Collana	NATO security through science series. D, Information and communication security, , 1574-5589 ; ; v. 7
Altri autori (Persone)	GazeauJean-Pierre NesetrilJaroslav RovanB (Branislav)
Disciplina	004.01/51
Soggetti	Computer science - Mathematics Physics Cryptography Electronic books.
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Description based upon print version of record.
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Title page; Preface; Lecturers & Participants; Contents; Mathematical Aspects of Quantum Information Theory; Dynamical Symmetry Approach to Entanglement; Mathematics of Phase Transitions; The Topology of Deterministic Chaos: Stretching, Squeezing and Linking; Random Fractals; Quasicrystals: Algebraic, Combinatorial and Geometrical Aspects; Pisot Number System and Its Dual Tiling; Non-Standard Number Representation: Computer Arithmetic, Beta-Numeration and Quasicrystals; An Introduction to the Theory of Finite Transducers; Generating Languages; Basic Enumerative Combinatorics

An Introduction to Noncommutative Symmetric Functions
An Introduction to Combinatorial Hopf Algebras - Examples and
Realizations -; Complex Networks: Deterministic Models;
Homomorphisms of Structures Concepts and Highlight; Some Discrete
Tools in Statistical Physics; Author Index

Sommario/riassunto

Aims to reinforce the interface between physical sciences, theoretical computer science, and discrete mathematics. This book assembles theoretical physicists and specialists of theoretical informatics and discrete mathematics in order to learn about developments in cryptography, algorithmics, and more.