

1. Record Nr.	UNISA996466535803316
Autore	Haran Shai M. J
Titolo	Arithmetical Investigations [[electronic resource] ] : Representation Theory, Orthogonal Polynomials, and Quantum Interpolations // by Shai M. J. Haran
Pubbl/distr/stampa	Berlin, Heidelberg : , : Springer Berlin Heidelberg : , : Imprint : Springer, , 2008
ISBN	3-540-78379-2
Edizione	[1st ed. 2008.]
Descrizione fisica	xii, 217 p. : ill
Collana	Lecture Notes in Mathematics, , 0075-8434
Disciplina	511.42
Soggetti	Number theory Number 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 (p. [209]-213) and index.
Nota di contenuto	Introduction: Motivations from Geometry -- Gamma and Beta Measures -- Markov Chains -- Real Beta Chain and q-Interpolation -- Ladder Structure -- q-Interpolation of Local Tate Thesis -- Pure Basis and Semi-Group -- Higher Dimensional Theory -- Real Grassmann Manifold -- p-Adic Grassmann Manifold -- q-Grassmann Manifold -- Quantum Group $U_q(\mathfrak{su}(1, 1))$ and the q-Hahn Basis.
Sommario/riassunto	In this volume the author further develops his philosophy of quantum interpolation between the real numbers and the p-adic numbers. The p-adic numbers contain the p-adic integers $\mathbb{Z}_p$ which are the inverse limit of the finite rings $\mathbb{Z}/p^n$ . This gives rise to a tree, and probability measures $w$ on $\mathbb{Z}_p$ correspond to Markov chains on this tree. From the tree structure one obtains special basis for the Hilbert space $L^2(\mathbb{Z}_p, w)$ . The real analogue of the p-adic integers is the interval $[-1, 1]$ , and a probability measure $w$ on it gives rise to a special basis for $L^2([-1, 1], w)$ - the orthogonal polynomials, and to a Markov chain on "finite approximations" of $[-1, 1]$ . For special (gamma and beta) measures there is a "quantum" or "q-analogue" Markov chain, and a special basis, that within certain limits yield the real and the p-adic theories. This idea can be generalized variously. In representation theory, it is the quantum general linear group $GL_n(q)$ that interpolates between the p-adic group $GL_n(\mathbb{Z}_p)$ , and between its real (and complex) analogue -the

orthogonal  $O_n$  (and unitary  $U_n$ ) groups. There is a similar quantum interpolation between the real and p-adic Fourier transform and between the real and p-adic (local unramified part of) Tate thesis, and Weil explicit sums.

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2. Record Nr.	UNISALENTO991002419029707536
Autore	Deichgräber, Karl
Titolo	Die epidemien und das Corpus Hippocraticum : veruntersuchungen zu einer geschichte der koischen ärzteschule / von Karl Deichgräber
Pubbl/distr/stampa	Berlin ; New York : Walter De Gruyter, 1971
Descrizione fisica	187 p. ; 27 cm
Disciplina	610
Soggetti	Scuola medica di Coo - Storia Ippocrate. Epidemiorum libri Ippocrate. Epidemiorum libri
Lingua di pubblicazione	Tedesco
Formato	Materiale a stampa
Livello bibliografico	Monografia

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