1. Record Nr. UNINA9910788731003321 Autore Singh Ajit Igbal <1944-> Titolo Completely positive hypergroup actions / / Ajit Iqbal Singh Pubbl/distr/stampa Providence, Rhode Island:,: American Mathematical Society,, 1996 ©1996 **ISBN** 1-4704-0178-9 Descrizione fisica 1 online resource (87 p.) Collana Memoirs of the American Mathematical Society, , 0065-9266 ; ; Volume 124, Number 593 Disciplina 512/.55 Soggetti Hypergroups Representations of groups Measure algebras Lingua di pubblicazione Inglese **Formato** Materiale a stampa Livello bibliografico Monografia "November 1996, volume 124, number 593 (fourth of 5 numbers)." Note generali Includes bibliographical references. Nota di bibliografia ""Contents""; ""Introduction""; ""Chapter 1. Presentations""; ""1.1. Nota di contenuto Admissible pairs of normed linear spaces and compatible pairs of Banach spaces""; ""1.2. Admissible pairs of spaces of operators""; ""1.3. A compatible pair of spaces of functions and measures"; ""1.4. Presentations and opresentations""; ""1.5. Actions and opactions""; ""Chapter 2. Complete Positivity and Other Properties for Presentations and Opresentations""; ""2.1. The C*a€?algebra M[sub(n)](A) and completely positive maps""; ""2.2. Matrix ordered and matricially normed spaces"" ""2.3. Matrix ordered and matricially normed spaces of linear maps"""" 2.4. Interconnections amongst different notions of positivity and complete positivity""; ""2.5. Matricially order or norm admissible and compatible pairs"; ""2.6. Examples of matricially norm admissible and compatible pairs""; ""2.7. Matricially order or norm admissible and compatible pairs of spaces of linear maps""; ""2.8. Completely positive and completely bounded presentations and opresentations"": ""2.9. Topological structures on spaces of presentations"" ""2.10. Properties of the dual presentation and opresentation""""2.11. Completely positive and completely bounded actions and opactions": ""2.12. Examples and remarks""; ""Chapter 3. Presentations of Hypergroups and Associated Actions"; ""3.1. (M(K), C[sub(b)]K)) as a

natural matricially order compatible pair""; ""3.2. Matricially order compatible structures on (M(K), C[sub(b)]K)) through representations""; ""3.3. Special matrix orders on M(K) for commutative K""; ""3.4. Role of conjugate representations in Fourier transform""

""3.5. Positive definite presentations and completely positive opresentations of hypergroups"""3.6. The spectral subspaces of a presentation of a hypergroup"; ""3.7. Quantized positivea€?definite presentations and opresentations of hypergroups""; ""3.8. Completely positive instruments with values in K and their characteristic functions""; ""3.9. Completely positive hypergroup actions and opactions""; ""Chapter 4. Some Concrete Presentations and Actions of Hypergroups""; ""4.1. Presentations and opresentations arising from the left regular representation""

""4.2. The situation in 2a€?fold absolutely continuous hypergroups""" 4.3. Amenability for hypergroups""; ""4.4. Folner hypergroups""; ""4.5. Isometry condition on I?(I?)""; ""4.6. Actions and opactions arising from the left regular representation""; ""4.7. The special case X = L[sup(2)](K) = X[sub(*)]""; ""References""