

1. Record Nr.	UNINA9910829181703321
Autore	Ball Joseph A. <1947->
Titolo	Lax-Phillips scattering and conservative linear systems : a Cuntz-algebra multidimensional setting // Joseph A. Ball, Victor Vinnikov
Pubbl/distr/stampa	Providence, Rhode Island : , : American Mathematical Society, , 2005
ISBN	1-4704-0438-9
Descrizione fisica	1 online resource (114 p.)
Collana	Memoirs of the American Mathematical Society, , 0065-9266 ; ; number 837
Disciplina	510 s 515/.724
Soggetti	Scattering (Mathematics) Linear systems Operator algebras Hilbert space
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	"November 2005, volume 178, number 837 (first of 5 numbers)."
Nota di bibliografia	Includes bibliographical references (pages 99-101).
Nota di contenuto	""Contents""; ""Chapter 1. Introduction""; ""Chapter 2. Functional Models for Row-Isometric/Row-Unitary Operator Tuples""; ""2.1. The classical case""; ""2.2. Functional models of noncommutative formal power series""; ""2.3. Hardy subspaces""; ""2.4. Intertwining operators""; ""Chapter 3. Cuntz Scattering Systems""; ""3.1. Basic geometric structure of Cuntz scattering systems""; ""3.2. The scattering function and models for Cuntz scattering systems""; ""3.3. The colligation associated with a Cuntz scattering system""; ""Chapter 4. Unitary Colligations""; ""4.1. Preliminaries"" ""4.2. The Cuntz scattering system associated with a unitary colligation U and Cuntz weight W*""""Chapter 5. Scattering, Systems and Dilation Theory: the Cuntz-Toeplitz Setting""; ""5.1. Outgoing Cuntz scattering systems""; ""5.2. Cuntz unitary colligations and outgoing Cuntz scattering systems""; ""5.3. Model theory for row contractions""; ""5.4. Realization theory""; ""Bibliography""