

1. Record Nr.	UNINA9910818014003321
Autore	Rodman L.
Titolo	Abstract band method via factorization, positive and band extensions of multivariable almost periodic matrix functions, and spectral estimation // Leiba Rodman, Ilya M. Spitkovsky, Hugo J. Woerdeman
Pubbl/distr/stampa	Providence, Rhode Island : , : American Mathematical Society, , [2002] ©2002
ISBN	1-4704-0360-9
Descrizione fisica	1 online resource (87 p.)
Collana	Memoirs of the American Mathematical Society, , 0065-9266 ; ; number 762
Disciplina	510 s 515/.724
Soggetti	Lifting theory Factorization (Mathematics) Toeplitz operators
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 (pages 67-70) and index.
Nota di contenuto	""Contents""; ""Chapter 1. Introduction""; ""1.1. Abstract Band Method""; ""1.2. Factorization""; ""1.3. Conventions and Notation""; ""Chapter 2. Abstract Band Method: New Variations""; ""2.1. Nonsymmetric Band Method""; ""2.2. Shiftable Band Structure""; ""2.3. Stability of Band Extensions""; ""2.4. Band Extensions: The Symmetric Case""; ""2.5. Positive Band Extensions: Existence""; ""2.6. Description of Positive Extensions""; ""Chapter 3. Toeplitz and Wiener Algebras of Operator Matrices""; ""3.1. Band Extensions for Wiener Class of Operator Valued Functions on the Unit Circle"" ""3.2. Positive Extensions for Wiener Class of Doubly Infinite Operator Matrices""""3.3. Application to Cyclostationary Processes""; ""Chapter 4. Positive Extensions in Wiener Classes of Almost Periodic Matrix Functions""; ""4.1. Almost Periodic Functions and Statement of the Problem""; ""4.2. Preliminaries on Almost Periodic Functions and Toeplitz Operators""; ""4.3. Toeplitz Operators Associated with Band""; ""4.4. Positive Extension Problem: Main Results""; ""4.5. Point Excluding Variations""; ""4.6. Stability of Band Extensions""; ""4.7. Positive Measure Extension Problem""

""4.8. Application to Spectral Estimation for ARMA Processes""""Chapter
5. Appendix""; ""5.1. Bochner-Phillips Theorem""; ""5.2. Abstract
Factorization""; ""5.3. Krein's Theorem on Extension of Positive
Functionals""; ""5.4. Invertibility in Banach Algebras""; ""Bibliography"";
""Index""
