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Collana	Lecture Notes in Mathematics, , 0075-8434 ; ; 1830
Disciplina	515.7246
Soggetti	Operator theory Matrix theory Algebra Functions of complex variables Integral equations Operator Theory Linear and Multilinear Algebras, Matrix Theory Functions of a Complex Variable Integral Equations
Lingua di pubblicazione	Inglese
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Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Preface -- Preliminaries -- Norms of Matrix-Valued Functions -- Invertibility of Finite Matrices -- Localization of Eigenvalues of Finite Matrices -- Block Matrices and pi-triangular Matrices -- Norm Estimates for Functions -- Functions of Non-Compact Operators -- Bounded Perturbations of Nonself-Adjoint Operators -- Spectrum Localization of Nonself-Adjoint Operators -- Multiplicative Representations of Resolvents -- Relatively \$P\$-triangular Operators -- Relatively Compact Perturbations of Normal Operators -- Infinite Matrices in Hilbert Spaces and Differential Operators -- Integral Operators in L2 -- Operator Matrices -- Hille - Tamarkin Integral Operators -- Integral Operators in L8 -- Hille - Tamarkin Matrices -- Zeros of Entire Functions -- List of Main Symbols -- Index.
Sommario/riassunto	"Operator Functions and Localization of Spectra" is the first book that presents a systematic exposition of bounds for the spectra of various

linear nonself-adjoint operators in a Hilbert space, having discrete and continuous spectra. In particular bounds for the spectra of integral, differential and integro-differential operators, as well as finite and infinite matrices are established. The volume also presents a systematic exposition of estimates for norms of operator-valued functions and their applications.

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