

1. Record Nr.	UNINA9910480021403321
Autore	Ernest John <1935->
Titolo	Charting the operator terrain / / John Ernest
Pubbl/distr/stampa	Providence, Rhode Island : , : American Mathematical Society, , [1976] ©1976
ISBN	1-4704-0755-8
Descrizione fisica	1 online resource (216 p.)
Collana	Memoirs of the American Mathematical Society ; ; volume 6, number 171 (July 1976)
Disciplina	515/.72
Soggetti	Linear operators Spectral theory (Mathematics) Electronic books.
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	"Volume 6 ... (first of 3 numbers)."
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	""TABLE OF CONTENTS""; ""INTRODUCTION""; ""CHAPTER 1 EQUIVALENCE RELATIONS AND CLASSIFICATION THEORY""; ""1. Quasi- equivalence""; ""2. Von Neumann classification of operators, in operator theoretic terms""; ""3. The bridge between operators and operator algebras""; ""4. Multiplicity theory for factor operators""; ""5. Weak containment and weak equivalence for operators""; ""6. Smooth operators""; ""7. The envelope of an operator""; ""CHAPTER 2 THE SPECTRUM AND QUASI-SPECTRUM OF AN OPERATOR""; ""1. The * - strong operator topology and its associated Borel structure"" ""2. The concrete dual of an operator""""3. The spectrum and quasi- spectrum of an operator""; ""4. Some spectral theory""; ""5. The topology on the spectrum""; ""CHAPTER 3 DECOMPOSITION THEORY""; ""1. The central decomposition""; ""2. The central measure lattice""; ""3. Multiplicity and the central decomposition""; ""CHAPTER 4 SPECTRAL MULTIPLICITY THEORY AND THE UNITARY EQUIVALENCE PROBLEM FOR OPERATORS""; ""CHAPTER 5 APPLICATIONS, EXAMPLES AND OPEN QUESTIONS""; ""1. Smooth operators""; ""2. Normal operators and spectral measures""; ""3. Binormal operators""; ""4. Trinormal operators"" ""5. Quasinormal operators""""6. Direct sum decompositions""; ""7. Some research proposals""; ""REFERENCES""; ""NOTATION INDEX"";

""INDEX""; ""A""; ""B""; ""C""; ""D""; ""E""; ""F""; ""G""; ""H""; ""I""; ""J""; ""K"";
""L""; ""M""; ""N""; ""O""; ""P""; ""Q""; ""R""; ""S""; ""T""; ""U""; ""V""; ""W""
