1.	Record Nr.	UNINA9910967710203321
	Autore	Diagana Toka
	Titolo	Non-Archimedean linear operators and applications / / Toka Diagana
	Pubbl/distr/stampa	Hauppauge, N.Y., : Nova Science Lancaster, : Gazelle [distributor], 2009
	ISBN	1-61470-561-5
	Edizione	[1st ed.]
	Descrizione fisica	1 online resource (108 p.)
	Disciplina	515.7246
	Soggetti	Linear operators Banach spaces Hilbert space
	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 and index.
	Nota di contenuto	Intro -- NON-ARCHIMEDEANLINEAROPERATORSANDAPPLICATIONS -- NON-ARCHIMEDEANLINEAROPERATORSANDAPPLICATIONS -- Contents -- Preface -- Chapter1Non-ArchimedeanValuedFields -- 1.1 Introduction -- 1.2Non-ArchimedeanValuedFields -- 1.2.1 BasicDefinitions -- 1.2.2Thet-VectorSpaceKt -- 1.3ConstructionofQp -- 1.3.1Introduction -- 1.3.2TheFieldQp -- 1.3.3 ConvergenceofPowerSeriesoverQp -- 1.4ConstructionofK((x)) -- 1.5 BibliographicalNotes -- Chapter2Non-ArchimedeanBanachandHilbertSpaces -- 2.1Non-ArchimedeanBanachSpaces -- 2.1.1BasicDefinitions -- 2.1.2 ExamplesofNon-ArchimedeanBanachSpaces -- 2.2FreeBanachSpaces -- 2.2.1Definitions -- 2.2.2Examples -- 2.3Non-ArchimedeanHilbertSpaces -- 2.3.1Introduction -- 2.3.2Non-ArchimedeanHilbertSpaces -- 2.3.3TheHilbertSpaceEw1×Ew2×...×Ewt -- 2.4BibliographicalNotes -- Chapter3Non-ArchimedeanBoundedLinearOperators -- 3.1Introduction -- 3.2 BoundedLinearOperatorsonNon-ArchimedeanBanachSpaces -- 3.2.1 BasicDefinitions -- 3.2.2Examples -- 3.2.3TheBanachAlgebraB(X) -- 3.2.4FurtherPropertiesofBoundedLinearOperators -- 3.3 BoundedLinearOperatorsonHilbertSpacesEw -- 3.3.1Introduction -- 3.3.2RepresentationofBoundedOperatorsByInfiniteMatrices -- 3.3.3

| Sommario/riassunto | This self-contained book provides the reader with a comprehensive presentation of recent investigations on operator theory over non-Archimedean Banach and Hilbert spaces. This includes, non-archimedean valued fields, bounded and unbounded linear operators, bilinear forms, functions of linear operators and one-paramter families of bounded linear operators on free branch spaces. |