

1.	Record Nr.	UNIORUON00341242
	Titolo	Wissenschaft aus nationaler Verantwortung : Beiträge zum nationalen Kulturvorbild der Deutschen Demokratischen Republik auf dem Gebiet der Wissenschaft / hrsg. von Elman Faber, Rudolf Gehrke, Heinz Thiemig
	Pubbl/distr/stampa	Leipzig, : Karl-Max-Universität, 1963
	Descrizione fisica	266 p., 1 fot. ; 24 cm. Sul front.: Dem Rektor der Karl-Marx-Universität Leipzig Prof. Dr. Dr. h. c. Dr. h. c. Georg Mayer zum 70. Geburtstag herzlichst dediziert.
	Disciplina	500
	Soggetti	SCIENZA - Studi
	Lingua di pubblicazione	Tedesco
	Formato	Materiale a stampa
	Livello bibliografico	Monografia
2.	Record Nr.	UNINA9910299978303321
	Autore	Muscat Joseph
	Titolo	Functional Analysis : An Introduction to Metric Spaces, Hilbert Spaces, and Banach Algebras / / by Joseph Muscat
	Pubbl/distr/stampa	Cham : , : Springer International Publishing : , : Imprint : Springer, , 2014
	ISBN	3-319-06728-1
	Edizione	[1st ed. 2014.]
	Descrizione fisica	1 online resource (XI, 420 p. 75 illus.)
	Disciplina	515.7
	Soggetti	Functional analysis Operator theory Functional Analysis Operator Theory
	Lingua di pubblicazione	Inglese
	Formato	Materiale a stampa
	Livello bibliografico	Monografia
	Note generali	Bibliographic Level Mode of Issuance: Monograph

Nota di contenuto

Introduction -- Distance -- Convergence and Continuity --
Completeness and Separability -- Connectedness -- Compactness --
Normed Spaces -- Continuous Linear Maps -- Main Examples --
Hilbert Spaces -- Banach Spaces -- Differentiation and Integration --
Banach Algebras -- Spectral Theory -- C-Algebras.

Sommario/riassunto

This textbook is an introduction to functional analysis suited to final year undergraduates or beginning graduates. Its various applications of Hilbert spaces, including least squares approximation, inverse problems, and Tikhonov regularization, should appeal not only to mathematicians interested in applications, but also to researchers in related fields. Functional Analysis adopts a self-contained approach to Banach spaces and operator theory that covers the main topics, based upon the classical sequence and function spaces and their operators. It assumes only a minimum of knowledge in elementary linear algebra and real analysis; the latter is redone in the light of metric spaces. It contains more than a thousand worked examples and exercises, which make up the main body of the book.
