

1. Record Nr.	UNINA9910838278103321
Autore	Dales Harold Garth
Titolo	Banach Function Algebras, Arens Regularity, and BSE Norms // by Harold Garth Dales, Ali Ülger
Pubbl/distr/stampa	Cham : , : Springer International Publishing : , : Imprint : Springer, , 2024
ISBN	9783031445323 3031445325
Edizione	[1st ed. 2024.]
Descrizione fisica	1 online resource (452 pages)
Collana	CMS/CAIMS Books in Mathematics, , 2730-6518 ; ; 12
Altri autori (Persone)	ÜlgerAli
Disciplina	515.7
Soggetti	Functional analysis Measure theory Algebras, Linear Functional Analysis Measure and Integration Linear Algebra Àlgebres de funcions Llibres electrònics
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di contenuto	Banach spaces and operators -- Banach algebras -- Banach function algebras -- Banach algebras on locally compact groups -- BSE norms and BSE algebras -- Arens regularity.
Sommario/riassunto	This book is about semisimple Banach algebras with a focus on those that are commutative. After laying out the necessary background material from functional analysis, geometry of Banach spaces and measure theory, we introduce many specific Banach algebras from operator theory, harmonic analysis, and function theory and study their basic properties. Some of the questions dealt with in the book are: Whether the introduced Banach algebras are BSE-algebras, whether they have BSE norms, whether they have the separating ball property or some variant of it, and whether they are Arens regular. The book contains quite a few new results, as well as new proofs of a good many known results. The book is intended for those who are preparing to

work in Banach algebras or who have been doing research in related areas.

---