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Eberhard Kaniuth

## A Course in Commutative Banach Algebras

 Springer

# A Course In Commutative Banach Algebras

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**Summary** : Free a course in commutative banach algebras pdf download - banach algebras are banach spaces equipped with a continuous multipli- tion in rough terms there are three types of them algebras of bounded linear operators on banach spaces with composition and the operator norm al- bras consisting of bounded continuous functions on topological spaces with pointwise product and the uniform norm and algebras of integrable functions on locally compact groups with convolution as multiplication these all play a key role in modern analysis much of operator theory is best approached from a banach algebra point of view and many questions in complex analysis such as approximation by polynomials or rational functions in speci c - mains are best understood within the framework of banach algebras also the study of a locally compact abelian group is closely related to the study of the group algebra If there exist a rich literature and excellent texts on each single class of banach algebras notably on uniform algebras and on operator algebras this work is intended as a textbook which provides a thorough introduction to the theory of commutative banach algebras and stresses the applications to commutative harmonic analysis while also touching on uniform algebras in this sense and purpose the book resembles larsen s classical text 75 which shares many themes and has been a valuable resource however for advanced graduate students and researchers i have covered several topics which have not been published in books before including some journal articles

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