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chapter ends with an example of a ring of functions having closed ideals that cannot be represented as the intersections of maximal ideals the second chapter discusses the ring $C(X)$ of all bounded continuous complex functions on completely regular spaces X and various of its subrings since noncommutative normed rings with an involution are important for group theoretical applications the paper by i m gelfand and n a naimark normed rings with an involution and their representations is reproduced at the end of the book slightly abridged in the form of an appendix this monograph also contains an account of the foundations of the theory of commutative normed rings without however touching upon the majority of its analytic applications the reader should have knowledge of the elements of the theory of normed spaces and of set theoretical topology for an understanding of the fourth chapter the reader should also know what a topological group is it stands to reason that the basic concepts of the theory of measure and of the lebesgue integral are also assumed to be known

Linear Algebra 2015

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Commutative Normed Rings 1999

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