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Until the 19th century, linear algebra was introduced through systems of linear equations and matrices. In modern mathematics, the presentation through vector spaces is generally preferred, since it is more synthetic, more general (not limited to the finite-dimensional case), and conceptually simpler, although more abstract. A vector space over a field F (often the field of the real numbers ...Read the latest articles of Linear Algebra and its Applications at ScienceDirect.com, Elsevier's leading platform of peer-reviewed scholarly literature This is a basic subject on matrix theory and linear algebra. Emphasis is given to topics that will be useful in other disciplines, including systems of equations, vector spaces, determinants, eigenvalues, similarity, and positive definite matrices. studentstoanabruptstop. Whilethisbookbeginswithlinearreduction,from thestartwedomorethancompute. The?rstchapterincludesproofs,suchas ...