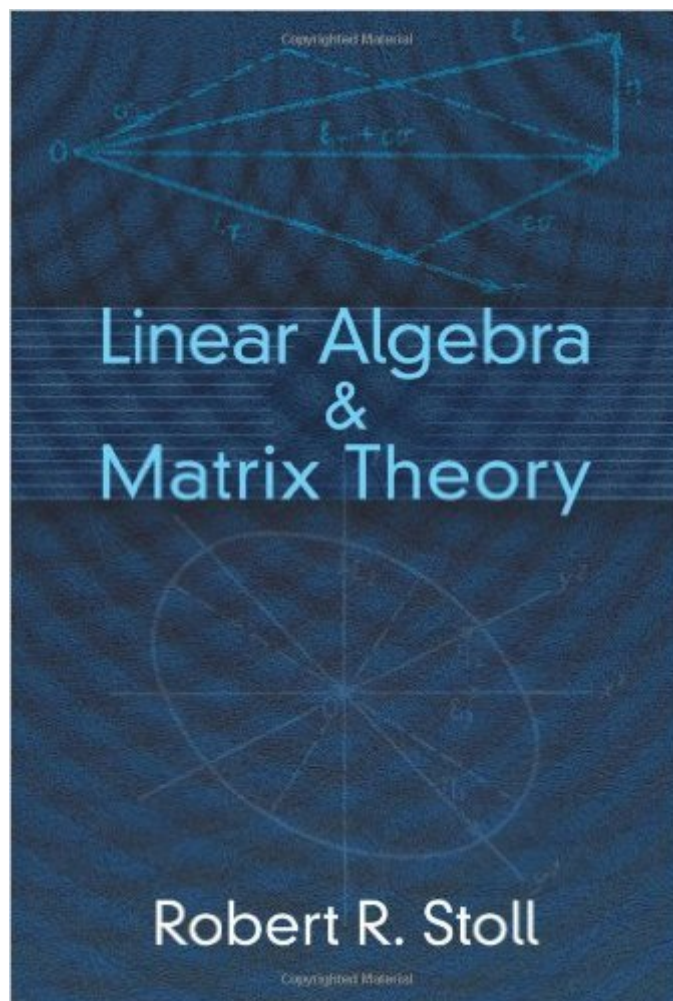


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Linear Algebra And Matrix Theory (Dover Books On Mathematics)



Synopsis

Advanced undergraduate and first-year graduate students have long regarded this text as one of the best available works on matrix theory in the context of modern algebra. Teachers and students will find it particularly suited to bridging the gap between ordinary undergraduate mathematics and completely abstract mathematics. The first five chapters treat topics important to economics, psychology, statistics, physics, and mathematics. Subjects include equivalence relations for matrixes, postulational approaches to determinants, and bilinear, quadratic, and Hermitian forms in their natural settings. The final chapters apply chiefly to students of engineering, physics, and advanced mathematics. They explore groups and rings, canonical forms for matrixes with respect to similarity via representations of linear transformations, and unitary and Euclidean vector spaces. Numerous examples appear throughout the text.

Book Information

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Customer Reviews

Stoll takes you right to the core of linear algebra: that is the decomposition of vector spaces and linear transformations into canonical forms. The proofs are very enlightening, and even though they are constructive (which perhaps is what it benefits it most) the book still remains pocket-size, unlike the more commercial treatises on the subject. It also deals with matricial algebra, bilinear forms and inner product spaces. The exercises while interesting, are perhaps not enough. It is a shame that this book is out of print. --This refers to the Dover Publications edition--

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