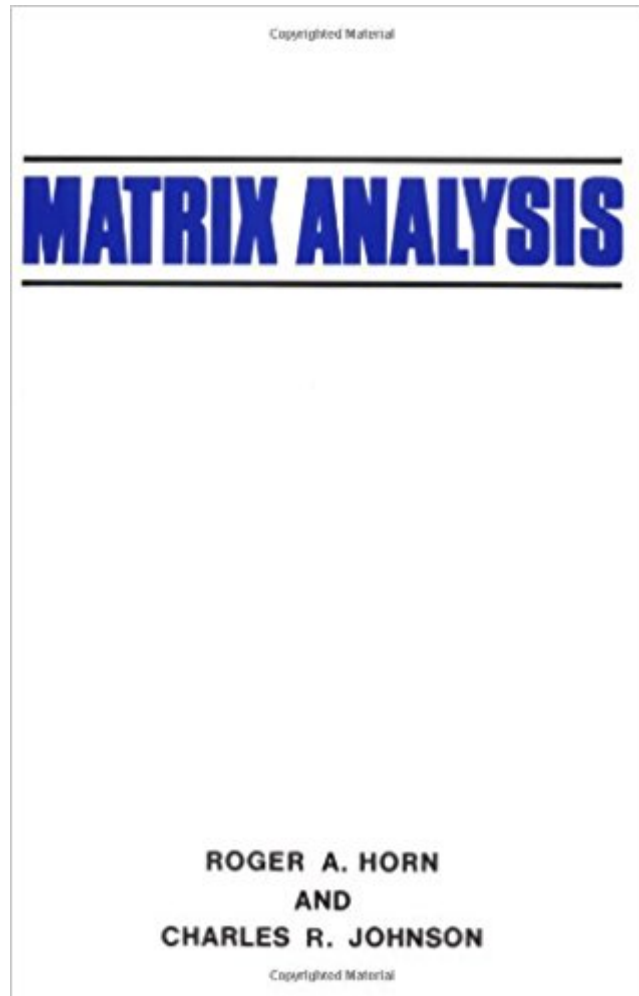




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Matrix Analysis



Synopsis

Linear algebra and matrix theory have long been fundamental tools in mathematical disciplines as well as fertile fields for research. In this book the authors present classical and recent results of matrix analysis that have proved to be important to applied mathematics. Facts about matrices, beyond those found in an elementary linear algebra course, are needed to understand virtually any area of mathematical science, but the necessary material has appeared only sporadically in the literature and in university curricula. As interest in applied mathematics has grown, the need for a text and reference offering a broad selection of topics in matrix theory has become apparent, and this book meets that need. This volume reflects two concurrent views of matrix analysis. First, it encompasses topics in linear algebra that have arisen out of the needs of mathematical analysis. Second, it is an approach to real and complex linear algebraic problems that does not hesitate to use notions from analysis. Both views are reflected in its choice and treatment of topics.

Book Information

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"The reviewer strongly recommends that those working in either pure or applied linear algebra have this book on their desks." SIAM Review
"The presentation is straightforward and extremely readable. The authors' enthusiasm pervades the book, and the printing is what we expect from this publisher. This will doubtless be the standard text for years to come." American Scientist

A presentation of classical as well as recent results of matrix analysis that have proven important to applied mathematics and reflect two concurrent views of the subject.

good book. with good explains and tells about the fictions clearly. the book is good for me to learn!!
found out this book recently and want to learn it again

Good book - a hidden gem

Just excellent. A lot of material, and a lot of problems that allow you verify that you are really understanding. Difficult to find another book dealing with many of the subjects present in this book.

This book has a very good introductory material on matrices and related topics like eigenvalues, canonical forms and location of eigenvalues etc.. It starts from basics like definitions, types of matrices etc.. and goes on to touch some advanced topics as well. A very good text.

Definitely, not a lot of attention has been paid to pedagogy by the authors of this book. However it forms an excellent summary of most of the theory and is very good for one who understands it and one who wants a ready reference in the subject.

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