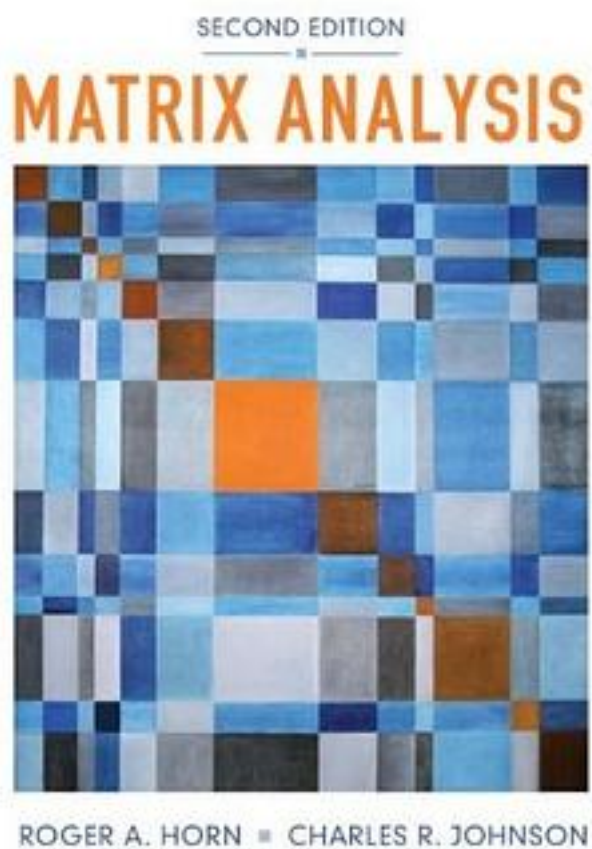


# Matrix Analysis



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In this book the authors present classical and recent results for 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 mathematics, and the necessary material has only occurred sporadically in the literature and university curricula. As the interest in applied mathematics has grown, the need for a text and a reference work offering a broad selection of topics has become apparent, and this book aims to meet that need. This book will be welcomed as an undergraduate or graduate textbook for students studying matrix analysis. The authors assume a background in elementary linear algebra and knowledge of rudimentary analytical concepts. They begin with a review and discussion of eigenvalues and eigenvectors. The following chapters each treat a major topic in depth. This volume should be useful not only as a text, but also as a self-contained reference work to a variety of audiences in other scientific fields.

作者介绍:

Roger

A.Horn线性代数和矩阵理论领域国际知名权威。1967年获得斯坦福大学数学博士学位。1972—1979年任约翰·霍普金斯大学数学系系主任，现为犹他大学教授。曾担任《American Mathematical Monthly》编辑。

Charles

R·Johnson线性代数和矩阵理论领域国际知名权威。现为威廉玛丽学院教授。Johnson在学术界十分活跃·发表论文近300篇，担任过多个主要矩阵分析类杂志的编辑和两份SIAM杂志的主编。由于他在数学科学领域作出杰出贡献而被授予华盛顿科学学会奖。

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矩阵的经典教材，不过看起来比较难

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很诧异，研一竟然把这书给干完了，真毅力

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