1. Record Nr. UNISA996309060503316

Autore	Mathai Arak M.
Titolo	Linear Algebra : A Course for Physicists and Engineers / / Arak M. Mathai, Hans J. Haubold
Pubbl/distr/stampa	Berlin ; ; Boston : , : De Gruyter, , [2017] ©2017
Descrizione fisica	1 online resource (467 p.)
Collana	De Gruyter Textbook
Classificazione	SK 220
Disciplina	512/.5
Soggetti	Eigenvektor Lineare Algebra Matrix MATHEMATICS / Algebra / General
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di contenuto	Frontmatter -- Preface -- Acknowledgement -- Contents -- List of Symbols -- 1. Vectors -- 2. Matrices -- 3. Determinants -- 4. Eigenvalues and eigenvectors -- 5. Some applications of matrices and determinants -- 6. Matrix series and additional properties of matrices -- References -- Index
Sommario/riassunto	In order not to intimidate students by a too abstract approach, this textbook on linear algebra is written to be easy to digest by non-mathematicians. It introduces the concepts of vector spaces and mappings between them without dwelling on statements such as theorems and proofs too much. It is also designed to be self-contained, so no other material is required for an understanding of the topics covered. As the basis for courses on space and atmospheric science, remote sensing, geographic information systems, meteorology, climate and satellite communications at UN-affiliated regional centers, various applications of the formal theory are discussed as well. These include differential equations, statistics, optimization and some engineering-motivated problems in physics. ContentsVectorsMatricesDeterminantsEigenvalues and eigenvectorsSome applications of matrices and determinantsMatrix