1. Record Nr. UNISA996418201903316

Autore	Lyche Tom
Titolo	Numerical Linear Algebra and Matrix Factorizations [[electronic resource] /] / by Tom Lyche
Pubbl/distr/stampa	Cham : , : Springer International Publishing : , : Imprint : Springer, , 2020
ISBN	3-030-36468-2
Edizione	[1st ed. 2020.]
Descrizione fisica	1 online resource (XXIII, 371 p. 181 illus., 37 illus. in color.)
Collana	Texts in Computational Science and Engineering, , 1611-0994 ; ; 22
Disciplina	512.9
Soggetti	Matrix theory Algebra Algorithms Computer mathematics Numerical analysis Linear and Multilinear Algebras, Matrix Theory Computational Science and Engineering Numerical Analysis
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di contenuto	A Short Review of Linear Algebra -- LU and QR Factorizations -- Eigenpairs and Singular Values -- Matrix Norms and Least Squares -- Kronecker Products and Fourier Transforms -- Iterative Methods for Large Linear Systems -- Eigenvalues and Eigenvectors -- Index.
Sommario/riassunto	After reading this book, students should be able to analyze computational problems in linear algebra such as linear systems, least squares- and eigenvalue problems, and to develop their own algorithms for solving them. Since these problems can be large and difficult to handle, much can be gained by understanding and taking advantage of special structures. This in turn requires a good grasp of basic numerical linear algebra and matrix factorizations. Factoring a matrix into a product of simpler matrices is a crucial tool in numerical linear algebra, because it allows us to tackle complex problems by solving a sequence of easier ones. The main characteristics of this book are as follows: It is self-contained, only assuming that readers have

	completed first-year calculus and an introductory course on linear algebra, and that they have some experience with solving mathematical problems on a computer. The book provides detailed proofs of virtually all results. Further, its respective parts can be used independently, making it suitable for self-study. The book consists of 15 chapters, divided into five thematically oriented parts. The chapters are designed for a one-week-per-chapter, one-semester course. To facilitate self-study, an introductory chapter includes a brief review of linear algebra.

2. Record Nr. UNISA996383945703316

Autore	Perkins William <1558-1602.>
Titolo	The foundation of Christian religion [[electronic resource]] : gathered into sixe principles. And it is to bee learned of ignorant people, that they may be fit to heare sermons with profit, and to receiue the Lords supper with comfort
Pubbl/distr/stampa	London, : Printed by Iohn Legatt, and are to be sold by Robert Allot, at the signe of the Beare in Pauls Church-yard, 1633
Descrizione fisica	[8], 39, [1] p
Soggetti	Theology
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	"To all ignorant people .." signed: William Perkins. Printer's and second publisher's names from STC. Signatures: A-Câ´ DÂ² . Running title reads: Sixe principles of Christian religion. Reproduction of the original in the Henry E. Huntington Library and Art Gallery.
Sommario/riassunto	eebo-0044