1. Record Nr. UNISA996418198403316

Autore	Lyche Tom
Titolo	Exercises in numerical linear algebra and matrix factorizations / / Tom Lyche, Georg Muntingh, and Øyvind Ryan
Pubbl/distr/stampa	Cham, Switzerland : , : Springer, , [2020] ©2020
ISBN	3-030-59789-X
Edizione	[1st ed. 2020.]
Descrizione fisica	1 online resource (XIX, 265 p. 12 illus., 10 illus. in color.)
Collana	Texts in Computational Science and Engineering, , 1611-0994 ; ; 23
Disciplina	512.5
Soggetti	Algebras, Linear Computer science - Mathematics
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di contenuto	A Short Review of Linear Algebra -- Diagonally Dominant Tridiagonal Matrices; Three Examples -- Gaussian Eliminationa nd LU Factorizations -- LDL* Factorization and Positive Definite Matrices -- Orthonormal and Unitary Transformations -- Eigenpairs and Similarity Transformations -- The Singular Value Decomposition -- Matrix Norms and Perturbation Theory for Linear Systems -- Least Squares -- The Kronecker Product -- Fast Direct Solution of a Large Linear System -- The Classical Iterative Methods -- The Conjugate Gradient Method -- Numerical Eigenvalue Problems -- The QR Algorithm.
Sommario/riassunto	To put the world of linear algebra to advanced use, it is not enough to merely understand the theory; there is a significant gap between the theory of linear algebra and its myriad expressions in nearly every computational domain. To bridge this gap, it is essential to process the theory by solving many exercises, thus obtaining a firmer grasp of its diverse applications. Similarly, from a theoretical perspective, diving into the literature on advanced linear algebra often reveals more and more topics that are deferred to exercises instead of being treated in the main text. As exercises grow more complex and numerous, it becomes increasingly important to provide supporting material and guidelines on how to solve them, supporting students' learning process. This book provides precisely this type of supporting material

	for the textbook “Numerical Linear Algebra and Matrix Factorizations,” published as Vol. 22 of Springer’s Texts in Computational Science and Engineering series. Instead of omitting details or merely providing rough outlines, this book offers detailed proofs, and connects the solutions to the corresponding results in the textbook. For the algorithmic exercises the utmost level of detail is provided in the form of MATLAB implementations. Both the textbook and solutions are self-contained. This book and the textbook are of similar length, demonstrating that solutions should not be considered a minor aspect when learning at advanced levels.

2.

Record Nr.	UNISALENTO991000869639707536
Autore	Da Prato, Giuseppe
Titolo	Ergodicity for infinite dimensional systems / G. Da Prato, J. Zabczyk
Pubbl/distr/stampa	Cambridge ; New York : Cambridge University Press, 1996
ISBN	0521579007
Edizione	[1st ed.]
Descrizione fisica	xi, 339 p. ; 23 cm.
Collana	London Mathematical Society lecture note series, 0076-0552 ; 229
Classificazione	AMS 60H15 AMS 60J27 AMS 28D05
Altri autori (Persone)	Zabczyk, Jerzy
Disciplina	519.233
Soggetti	Differentiable dynamical systems Ergodic theory Stochastic partial differential equations - asymptotic theory
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di bibliografia	Includes bibliographical references (p. 321-337) and index.

3.

Record Nr.	UNISALENTO991000254209707536
Autore	Wolgast, Elizabeth H.
Titolo	La grammatica della giustizia / Elizabeth H. Wolgast ; prefazione di Pietro Barcellona
Pubbl/distr/stampa	Roma : Editori riuniti, 1991
ISBN	8835934397
Descrizione fisica	XV, 237 p. ; 22 cm.
Collana	Gli studi. Filosofia e scienze umane
Disciplina	340.1
Soggetti	Giustizia <concetto>
Lingua di pubblicazione	Italiano
Formato	Materiale a stampa
Livello bibliografico	Monografia