1. Record Nr. UNINA9910698452303321

Titolo	Harmful algal blooms and hypoxia [[electronic resource]] : formulating an action plan : hearing before the Subcommittee on Energy and Environment, Committee on Science and Technology, House of Representatives, One Hundred Eleventh Congress, first session, September 17, 2009
Pubbl/distr/stampa	Washington : , : U.S. G.P.O., , 2009
Descrizione fisica	1 online resource (iv, 87 pages) : maps
Soggetti	Hypoxia (Water) - Research - United States Algal blooms - Research - United States Toxic algae - United States Water - Dissolved oxygen - United States
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Title from title screen (viewed on Mar. 17, 2010). Paper version available for sale by the Supt. of Docs., U.S. G.P.O. "Serial no. 111-52."
Nota di bibliografia	Includes bibliographical references.

2. Record Nr. UNINA9911054594803321

Autore	Meister Andreas
Titolo	Numerical Methods for Linear Systems of Equations : An Introduction to Modern Methods With MATLAB® Implementations by C. Vömel / / by Andreas Meister
Pubbl/distr/stampa	Wiesbaden : , : Springer Fachmedien Wiesbaden : , : Imprint : Springer, , 2026
ISBN	3-658-50260-6
Edizione	[1st ed. 2026.]
Descrizione fisica	1 online resource (301 pages)
Collana	Mathematics Study Resources, , 2731-3832 ; ; 26
Disciplina	512.5
Soggetti	Algebras, Linear Mathematics - Data processing Linear Algebra Computational Mathematics and Numerical Analysis
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di contenuto	Examples of the Occurrence of Linear Systems of Equations -- Fundamentals of Linear Algebra -- Direct Methods -- Iterative Methods -- Preconditioners.
Sommario/riassunto	The aim of this book is to provide a comprehensive introduction to solving large systems of equations. In addition to direct algorithms, it presents a wide range of classical and modern solvers – from splitting methods and multigrid techniques to current Krylov subspace methods (CG, GMRES, BiCGSTAB, etc.). These methods are discussed both mathematically and in terms of their practical applications. The book also offers an in-depth treatment of preconditioning techniques to accelerate existing methods. The book covers all the necessary fundamentals, making it highly suitable for self-study. The presentation of the derived algorithms allows for straightforward implementation in any programming language. Detailed MATLAB® implementations of common Krylov methods are included in the appendix. Solutions and additional materials are available online. This book is a translation of the original German 6th edition. The translation was done with the help of an artificial intelligence machine translation tool. A subsequent human revision was done primarily in terms of

content, so that the book may read stylistically differently from a conventional translation. The Author Prof. Dr. Andreas Meister is a professor of Applied Mathematics at the University of Kassel, where he teaches students of mathematics and engineering as well as future teachers. His research focuses on numerical methods for real-world problems. He has received several awards, including the Kurt-Hartwig-Siemers Research Prize from the Hamburg Scientific Foundation, the Mentorship Award from the Claussen-Simon Foundation, multiple “Lecturer of the Semester” honors, and the Teaching Excellence Award of the federal state of Hesse, Germany.