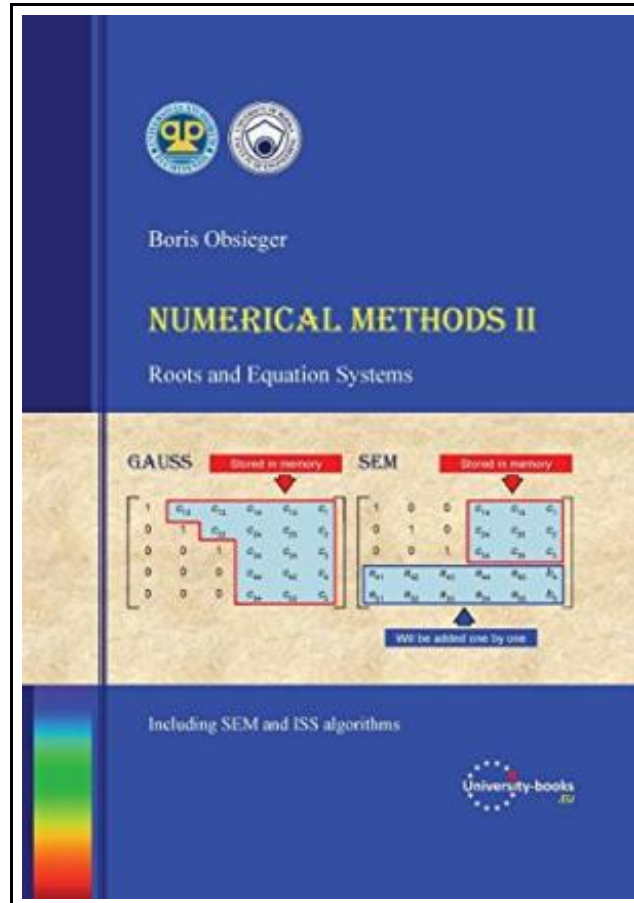# Numerical Methods II - Roots and Equation Systems

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Reviews

Basically no phrases to explain. It really is filled with knowledge and wisdom You are going to like how the author create this book.
(Gerald Conn)

NUMERICAL METHODS II - ROOTS AND EQUATION SYSTEMS

Boris Obsieger, United States, 2015. Paperback. Book Condition: New. 244 x 170 mm. Language: English . Brand New Book ***** Print on Demand *****.Paperback, color print on 70lb white paper. Other e- and printed color and bw editions are or will be also available. * * * About the book: An excellent textbook established at several universities. Primarily written for students at technical universities, it is also a very useful handbook for engineers, PhD students and scientists. Now available at all continents. - - - This textbook introduces the reader into various root finding methods and into methods for solving linear equation systems and series of such systems, along with the minimisation of computation time, required memory and selective computation of only required unknowns. - - - These methods are important because there are many problems in engineering practice and science that cannot be solved without them. Some methods are already implemented in calculators and standard program libraries, providing their instant use. However, the use of the described methods gives an opportunity to the reader to take full control over computation, and to apply the method which is most suitable for solving his problem. This approach can make numerical algorithms more powerful and faster than they used to be. - - - The book has four chapters. In the first chapter, the open and the bracketing root-finding methods are briefly explained. They can be used for finding roots of nonlinear equations as well as solutions of nonlinear equation systems. In the second chapter, various standard methods for solving linear equation systems, inversion of matrices and calculation of determinants are described. There is also the memory sparing sequential substitution method (SS), which is the background for the sequential elimination method (SEM) (the third chapter) and the improved sequential substitution method (ISS)...

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