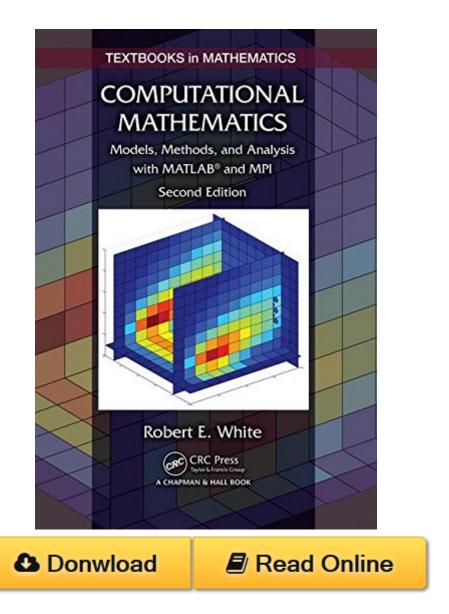
Computational Mathematics: Models, Methods, and Analysis with MATLAB® and MPI, Second Edition (Textbooks in Mathematics) PDF



Computational Mathematics: Models, Methods, and Analysis with MATLAB® and MPI, Second Edition (Textbooks in Mathematics) by Robert E. White ISBN 1482235153

Computational Mathematics: Models, Methods, and Analysis with MATLAB® and MPI is a unique book covering the concepts and techniques at the core of computational science. The author delivers a hands-on introduction to nonlinear, 2D, and 3D models; nonrectangular domains; systems of partial differential equations; and large algebraic problems requiring high-performance

computing. The book shows how to apply a model, select a numerical method, implement computer simulations, and assess the ensuing results.

Providing a wealth of MATLAB, Fortran, and C++ code online for download, the **Second Edition** of this very popular text:

- Includes a new chapter with two sections on the finite element method, two sections on shallow water waves, and two sections on the driven cavity problem
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Computational Mathematics: Models, Methods, and Analysis with MATLAB® and MPI, Second Edition is an ideal textbook for an undergraduate course taught to mathematics, computer science, and engineering students. By using code in practical ways, students take their first steps toward more sophisticated numerical modeling.

Computational Mathematics: Models, Methods, and Analysis with MATLAB® and MPI, Second Edition (Textbooks in Mathematics) Review

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