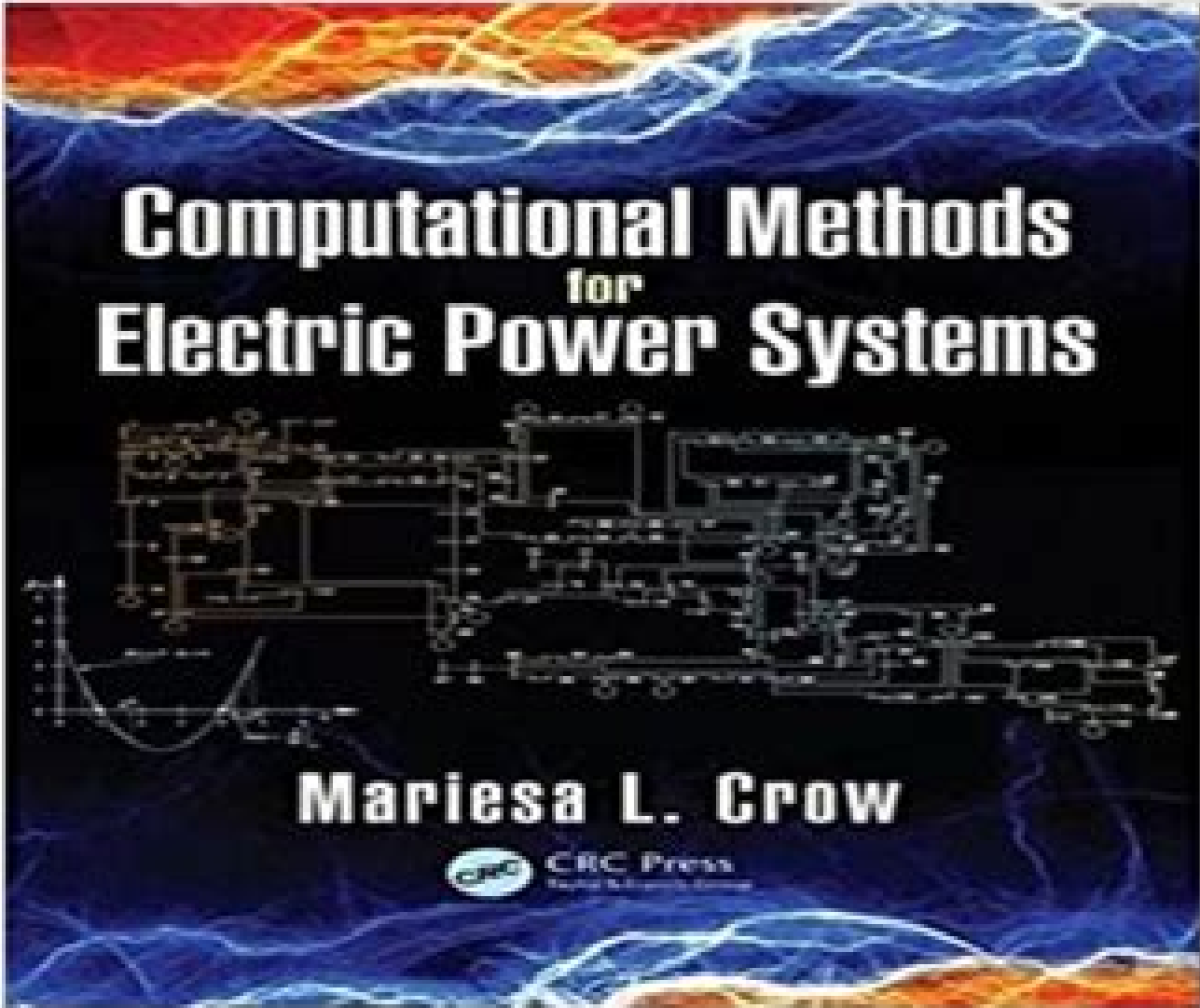


The book cover features a dark blue background with stylized lightning bolts in red, orange, and yellow at the top and bottom. In the center, there is a faint, white technical diagram of an electric power system, showing a network of buses, lines, and components. To the left of the main diagram, there is a small graph showing a sinusoidal wave and a curve.

Computational Methods for Electric Power Systems

Mariesa L. Crow



CRC Press
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Computational Methods for Large Sparse Power Systems Analysis S.A. Soman, S.A. Khaparde, Shubha Pandit, 2012-12-06 Computational methods in Power Systems require significant inputs from diverse disciplines such as data base structures numerical analysis etc Strategic decisions in sparsity exploitation and algorithm design influence large scale simulation and high speed computations Selection of programming paradigm shapes the design its modularity and reusability

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 Thomas Allen Short, 2003-09-15 Of the big three components of the electricity infrastructure distribution typically gets the least attention and no thorough up to date treatment of the subject has been published in years Filling that void the Electric Power Distribution Handbook provides comprehensive information on the electrical aspects of power distribution systems It is an unparalleled source for the background information hard to find tables graphs methods and statistics that power engineers need and includes tips and solutions for problem solving and improving performance In short this handbook gives readers the tools they need to understand the science and practices of distribution systems

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 James H. Harlow, 2003-08-15 Covering the fundamental theory of electric power transformers this book provides the background required to understand the basic operation of electromagnetic induction as applied to transformers The book is divided into three fundamental groupings one stand alone chapter is devoted to Theory and Principles nine chapters individually treat major

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