



Modern Optimization Techniques with Applications in Electric Power Systems (Energy Systems)

By Soliman Abdel-Hady Soliman, Abdel-Aal Hassan Mantawy

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Presenting ways of using AI optimization techniques to operate and control electric power systems, this book is full of practical applications and examples and features, among other methods, functional analysis, simulated annealing and Tabu-search.

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Editorial Review

From the Back Cover

This book presents the application of some AI related modern optimization techniques in the operation and control of electric power systems. With practical applications and examples the use of functional analysis, simulated annealing, Tabu-search, Genetic algorithms and fuzzy systems for the optimization of power systems is discussed in detail. Preliminary mathematical concepts are presented before moving to more advanced material.

Researchers, senior undergraduate and graduate students will benefit from this book. Engineers working in utility companies, operations and control, and water resource management will also find this book useful.

Users Review

From reader reviews:

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