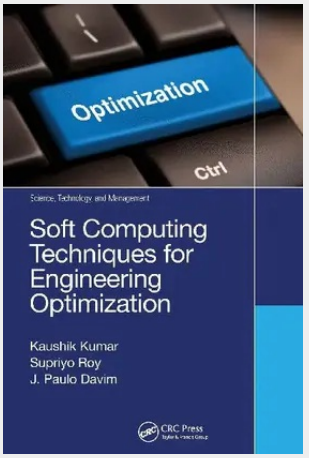
Kumar / Roy / Davim

Soft Computing Techniques for Engineering Optimization



This book covers the issues related to optimization of engineering and management problems using soft computing techniques with an industrial outlook. It covers a broad area related to real life complex decision making problems using a heuristics approach. It also explores a wide perspective and future directions in industrial engineering research on a global platform/scenario. The book highlights the concept of optimization, presents various soft computing techniques, offers sample problems, and discusses related software programs complete with illustrations. Features - Explains the concept of optimization and relevance to soft computing techniques towards optimal solution in engineering and management - Presents various soft computing techniques - Offers problems and their optimization using various soft computing techniques - Discusses related software programs, with illustrations - Provides a step-by-step tutorial on how to handle relevant software for obtaining the optimal solution to various engineering problems

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