Rashid / Ahmed / Hassan

Multi-objective Optimization Techniques

Variants, Hybrids, Improvements, and Applications

The book establishes how to design, develop, and test different hybrids of multi-objective optimization algorithms. It presents several application areas of multi-objective optimization algorithms. - Presents a thorough analysis of equations, mathematical models, and mechanisms of multi-objective optimization algorithms. - Explores different alternatives of multi-objective optimization algorithms to solve binary, multi-objective, noisy, dynamic, and combinatorial optimization problems. - Illustrates how to design, develop, and test different hybrids of multi-objective optimization algorithms. - Discusses multi-objective optimization techniques for cloud, fog, and edge computing. - Highlights applications of multi-objective optimization in diverse sectors such as engineering, e-healthcare, and scheduling. The text is primarily written for senior undergraduates, graduate students, and academic researchers in the fields of electrical engineering, electronics, communications engineering, computer science and engineering, and mathematics.

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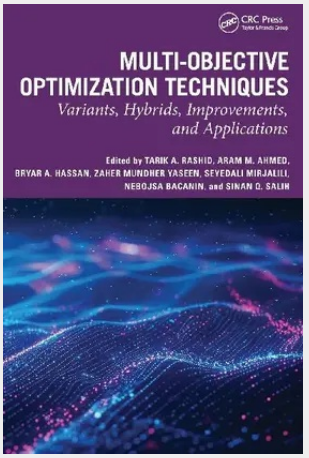

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