Intelligence Optimization Algorithms and Applications

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Message from the Guest Editors

Dear Colleagues,

The new generation of artificial intelligence is driving the rapid development of industry, with advanced software and algorithms gradually integrating into various aspects of life. Large-scale and ultra-large-scale systems have emerged, with increasingly fine configurations and complex processes, which urgently require optimization. However, precise optimization methods are difficult to handle, forcing the research of more effective, reasonable, and feasible heuristic methods and swarm intelligence optimization methods, which attract significant attention and have been a useful tool for solving mathematic theory and real-world problems. Intelligence optimization algorithms can ignore the problems' characters and obtain feasible solutions quickly. Therefore, they are widely used in mechanism optimization design, mechanism motion trajectory planning, workshop layout optimization, optimization related to machining process technology planning, and so on.

Special Issue

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Message from the Editor-in-Chief

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