Abstract

Several strategies and approaches have been proposed to provide quality solutions for the grid job scheduling problem. Recently, population-based heuristics approaches are used widely to solve this problem. These approaches have demonstrated a surprising degree of effectiveness for handling combinatorial optimization problems. In this paper, the population-based approaches for grid job scheduling have been studied. The focus was on investigating the criteria that help in the selection of the best scheduling algorithm for a certain type of grid and also shedding the light on how to improve the available population-based approaches.

References

Population based Heuristic Approaches for Grid Job Scheduling

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Index Terms
- Computer Science
- Artificial Intelligence

Keywords
- Genetic algorithms
- Particle swarm optimization
- Ant colony optimization
- Artificial bee colony
- Grid job scheduling.