Abstract

This paper is meant to present a meta-heuristic algorithms and their application to combinatorial optimization problems. This report contains an assessment of the rapid development of meta-heuristic thoughts, their convergence towards a unified fabric and the richness of potential application in optimization problems. The paper presents a brief survey of different meta-heuristic algorithms aiming to solve optimization problems. The meta-heuristic is divided into four broad categories Evolutionary, Physics-based, Swarm-based and Human-based algorithms.

References


24. combinatorial optimization problems.it is a technique for optimization that was introduced in the early 1990's[Dorigo, Marco, Mauro Birattari, and Thomas Stutzle. "Ant colony optimization."IEEE computational intelligence magazine 1.4 (2006): 28-39.]

25. combinatorial optimization problems.it is a technique for optimization that was introduced in the early 1990's[Dorigo, Marco, Mauro Birattari, and Thomas Stutzle. "Ant colony optimization."IEEE computational intelligence magazine 1.4 (2006): 28-39.]


Index Terms

Computer Science

Algorithms
Keywords

Meta-heuristics, algorithms, optimization, evolutionary, Physics-based, swarm-based and human-based algorithms.