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


Index Terms

Computer Science

Algorithms
Keywords

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