Abstract

Ant Colony Optimization (ACO) algorithms belong to class of metaheuristic algorithms, where a search is made for optimized solution rather than exact solution, based on the knowledge of the problem domain. ACO algorithms are iterative in nature. As the iteration proceeds, solution converges to the optimized solution. In this paper, we propose new updation mechanism based
Unsupervised Updation Strategies for ACO Algorithms

on clustering techniques, an unsupervised learning mechanism aimed at exploring the nearby solutions region. We also report in detail the impact on performance due to integration of cluster and ACO.

Reference

Unsupervised Updation Strategies for ACO Algorithms

Probability, pp.281-297.

Index Terms

Computer Science          Algorithms

Key words

Ant       Meta-heuristic       Optimization
unsupervised
cluster