Abstract

In this paper we address the Minimum Manhattan Network (MMN) problem. It is an important geometric problem with vast applications. As it is an NP-complete discrete combinatorial optimization problem we employ a simple metaheuristic namely Simulated Annealing. We have also developed benchmark datasets and tested our algorithm with the dataset.

References

A Simulated Annealing approach for solving Minimum Manhattan Network Problem


Index Terms

Computer Science Networks
Keywords

Combinatorial Optimization   Metaheuristics   Simulated Annealing   Network Length