Abstract

In today's world the large usage of smart phones and GPS enabled devices, which provides location based services, the necessity of outsourcing spatial data has grown rapidly over the past some years. Delivering a spatial database to the cloud provides a flexible and economical way for the data owner to deliver spatial data to users that uses location based services. In this data owner delegates management of its database to the third party instant of directly served the request of clients. We propose an efficient road network optimized path
finding technique using ant colony algorithm. We are also comparing ant colony with Dijkstra’s algorithm. Unlike previous work that consider only one data owner party but we are considering multi data owner party. This experiment will run on Google Android mobile devices.

References

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Index Terms

- Computer Science
- Algorithms
Optimized Path Finding Technique for Location based Service using Ant Colony Algorithm

Keywords
Spatial Database Outsourcing  Location-based Service  Service Provider  Voronoi Diagram  Spatial Query.