Abstract

In this paper, we have examined the comparative study of Floyd Warshall algorithm and the Rectangular algorithm. We have tested these two algorithms on random graphs generated by the Erdős – Renyi (ER) model. The evaluation of the algorithms for different probabilities show that the Floyd Warshall algorithm gives slightly better performance for dense graphs while the Rectangular algorithm works better for sparse graphs.

References

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Performance Analysis of Floyd Warshall Algorithm vs Rectangular Algorithm

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Index Terms

Computer Science

Algorithms

Keywords

Bellman ford algorithm  Dijkstra’s algorithm  Floyd warshall algorithm  all pair shortest path algorithm

the rectangular algorithm

comparison of algorithms.