Research on Wireless Sensor Networks Topology Models

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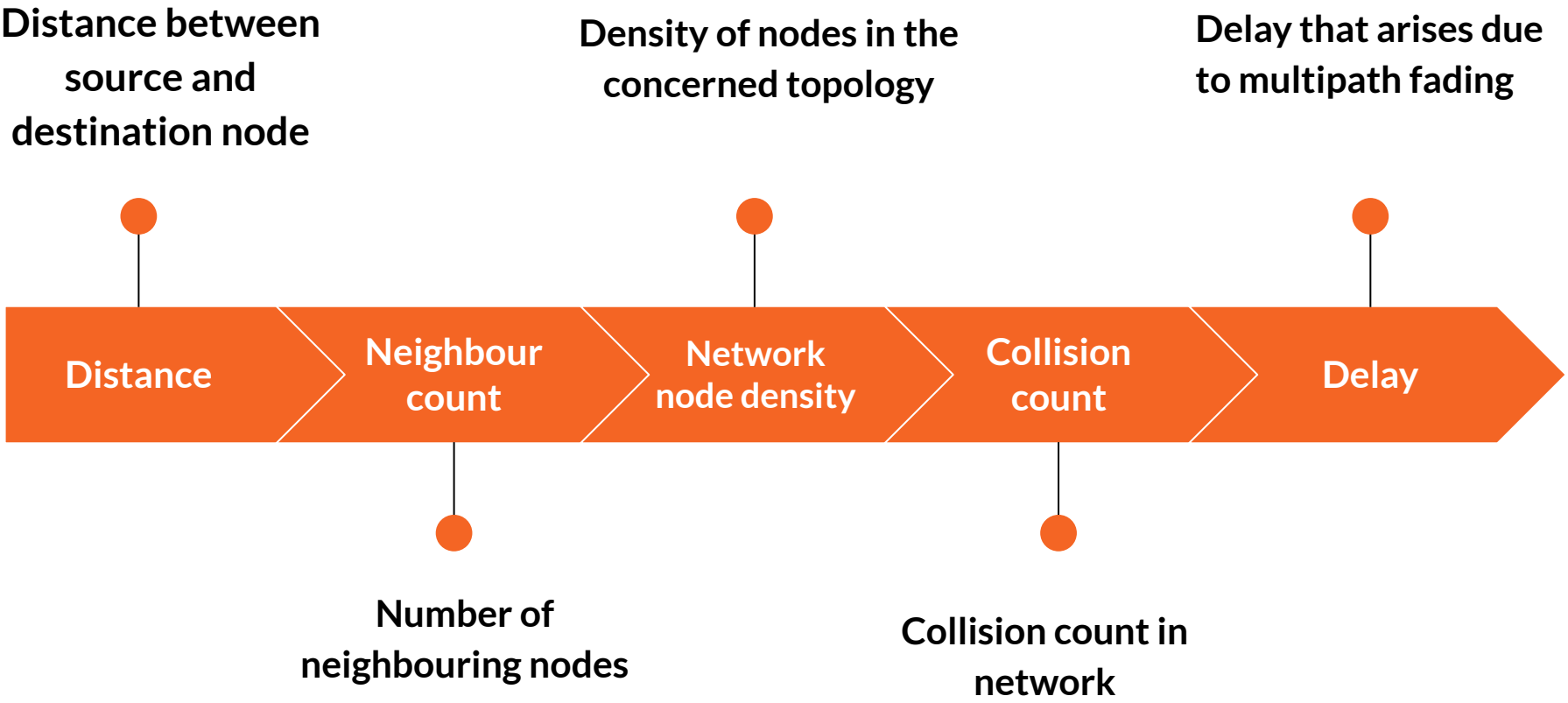
Link - https://www.scirp.org/journal/paperinformation.aspx?paperid=3563

Introduction :

- Different network topologies will affect the properties of the network differently, such as the reliability, energy consumption and latency.
- In order to study the relationship between the topology and the network performance, in this paper we have designed three kinds of topology models which are regular hexagon topology model, plane grid topology model and equilateral triangle topology model.

Parameters Of Evaluation


Distance between source and destination node
Density of nodes in the concerned topology
Delay that arises due to multipath fading
Distance
Neighbour count
Network node density
Collision count
Delay
Number of neighbouring nodes
Collision count in network

Goal of our Project

In the research paper the, the routing protocol used was FLOODING. In our project we would be comparing the parameters' variance by using AD-HOC routing protocol. We would be comparing the topologies of plane grid and equilateral triangle.

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