Abstract

A Mobile Ad Hoc Network is a collection of portable devices that establish communication without the help of any infrastructure such as base stations or access points. As the MANET is infrastructure less, it is having dynamic nature of random network topology. Due to movement of nodes, the link between nodes breaks. The network needs to find a new route from source to destination. In order to find a route network initiate a route discovery procedure by broadcasting route request packets. The frequent invention of route increases the routing load and end to end delay. The existing ad hoc routing protocols based on hop count metric which doesn’t take in its consideration the stability of the link. The requirement is to discover a routing protocol that considers link stability during discovery of route, so resulting route is more stable than existing routing protocol. In this paper we compare performance of AODV and Path loss sensitive AODV which finds a stable path using received signal strength.
A Path loss Sensitive Stable Routing Protocol for MANET

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Index Terms

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Keywords

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