Abstract

Wireless networks are increasing in popularity with current advances in technology. The architecture of such networks is not based on a centralized base station but on each node which acts as a router and forwards data packets to other nodes in the network. The technologies have driven into new era with the introduction of ad hoc networks and the concept behind the ad hoc networks is it works without the access points. It has features like adaptive, self organizing and decentralized in nature. Due to these specialized features, it has become a popular technology. So, there has been an inevitable need of a good routing protocol in order to establish the connection between the nodes since the mobile nodes can change their topology frequently. The movement of the mobile node is one of the important characteristics because it can affect the performance of the ad hoc network protocol. This paper has analyzed the mobility of the random waypoint model for different routing protocols in mobile ad-hoc network.

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