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## Abstract

Mobile ad-hoc networks are a promising research district with sensible application. Dynamic and reliable protocols are necessary in MANET, as they have no infrastructure and their Network topology change recurrently. There are dissimilar protocols for behavior the routing problem in MANET. In this paper we focused on the two popular algorithms Ad-hoc on Demand Distance Vector (AODV) and Dynamic Source Routing (DSR), both being reactive routing protocols and proposed new protocol. We prefecture Quality of Service (QoS) in aspect of packet delivery rate , average time delay and routing load overhead by varying network size and transmission range of the particular nodes . The all-purpose inspection from the replication is that for request oriented metrics such as average delay and packet delivery rate, DSR outperforms AODV in less intense circumstances. AODV, though, outperforms DSR in additional opaque situation. Though, our proposed protocol time after time generate less

routing load than AODV. Multi Path Multicast Routing Protocol for Provisioning Of QoS in MANET. To also make a comparison between our proposed protocol DSR and AODV routing protocols in different network scenarios. Hence it becomes important to study the impact of high mobility on the performance of these routing protocols. Simulation results verify that MAODV gives better performance as compared to AODV, DSR and DSDV. The performance comparison is conducted by varying mobility speed, number of nodes and data rate. The comparison results show that AODV performs optimally well not the best among all the studied protocols.

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### Index Terms

Computer Science

Wireless

### Keywords

Aodv Dsr Dsdv Ns-2 Manet Qos Routing Routing Protocols Pdf

