Abstract

A wireless MANET is a collection of communication nodes that wants to communicate with each other, but has no fixed infrastructure and no re-determined topology of links. Mobile ad hoc network is a collection of wireless mobile nodes dynamically forming a network topology without the use of any existing network infrastructure. The purpose of the present work is to compare the performance of AODV, DSR and DSDV MANET protocols for different number of nodes and mobility with different traffic channels CBR and FTP. The AODV and DSR are reactive or On demand routing protocol and DSDV is a proactive or table driven routing protocol. The performance metrics considered in this work includes packet delivery ratio, throughput and average end-to-end delay. Results were obtained after simulations performed using NS2.

References

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Performance Investigation of AODV, DSR and DSDV MANET Routing Protocols using CBR and FTP Traffic

Index Terms

Computer Science

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Keywords

MANET AODV  DSR  DSDV  CBR  FTP.