Analyzing the effect of Constant and Lognormal Shadowing Model on Ad-hoc Routing Protocols

Abstract

Over recent years, with the increasing use of laptops, iPods, PDA, etc., the demand for ad-hoc networks has been increased. Mobile ad-hoc network (MANET) is a network used to provide communication among various devices without any need for pre-existing infrastructure. MANET is formed by mobile nodes connected by wireless links without access points and backbone networks. It can be used for various applications as disaster management, conferences, military operations, rescue operations, and many more. Routing Protocols, other than conventional protocols are required for routing purposes in MANET. In this paper, performance of ad-hoc routing protocols as AODV, DSR and DYMO are analyzed under the effect of two shadowing model, as Constant and Lognormal.
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References

- Qualnet Network Simulator; http://www.scalacble-networks.com

Index Terms

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