Abstract

In this paper, we present a comparative performance of three multicast protocols for Mobile Ad hoc Networks - ODMRP, AMRIS and MAODV focusing on the effects of changes such as the increasing number of receivers or sources and increasing the number of nodes. Although some simulation results of MANET protocols have been published before, these three protocols have not been compared in isolation. In recent years, a number of new multicast protocols have been proposed for ad hoc networks. A systematic performance evaluation of these protocols is done by performing certain simulations under NS-2. The applicability of multicast protocols to diverse situation are also studied and discussed.
Performance Comparison of MANET (Mobile Ad hoc Network) Protocols (ODMRP with AMRIS and MAODV)


Index Terms
Computer Science
Networks

Key words
ODMRP
AMRIS
MAODV
MANETs
Multicasting