Abstract

Multicast Ad hoc On-Demand Distance Vector (MAODV) [1] is the multicast protocol associated with the Ad hoc On-Demand Distance Vector (AODV) [2,3] routing protocol, and as such it shares many similarities and packet formats with AODV. This paper proposes a new genetic algorithm based Multicast Ad-hoc On demand Distance Vector Protocol for Mobile Ad-hoc Networks (GA-MAODV), which improves the packet delivery ratio of the routing
messages. The GA based MAODV allows each node in the network to send out multicast data packets, and the multicast data packets are broadcast when propagating along the multicast group tree.

**Reference**

- Elizabeth M. Royer, Charles E. Perkins Multicast Ad hoc On-Demand Distance Vector (MAODV) Routing draft-ietf-manetmaodv-00.txt, 15 July 2000

**Index Terms**

Computer Science       Ubiquitous Computing

**Key words**

Genetic Multicast       Vector Protocol
Ad hoc On-Demand Distance Vector
GA-MAODV