

ENERGY EFFICIENT MULTIPATH ROUTING PROTOCOL IN MANET USING FITNESS FUNCTION

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Mobile ad hoc network (MANET) is a collection of wireless mobile nodes that are connected to various networks. It does not require any infrastructure or central administration. This paper tries to optimize the energy consumption in ad hoc on demand multipath distance vector (AOMDV) routing protocol by using the Fitness Function. The main role of Fitness Function is to find the optimal path in order to reduce the energy consumption in multipath routing. The performance of FF-AOMDV protocol has been evaluated by using network simulator version 2.35, in which the performance is compared with AOMDV, LB-AOMDV and LBMMRE-AOMDV protocols.