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Authors: Purvi N. Ramanuj	
Hiteishi M. Diwanji	
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Abstract	
Reactive routing protocols like AODV and DSR uses Expanding ring search algorithm for route	

discovery in MANET. This paper presents enhancement in basic TTL sequence based ERS. This results into faster route discovery, lesser routing traffic and efficient energy operation in MANET. We have considered circular network area with equal node density in entire network. Source and destination nodes are randomly distributed

Refer

ences

- S. K. Sarkar, T. G. Basavaraju, and C. Puttamadappa, Ad Hoc Mobile Wireless Networks: Principles, Protocols, and Applications, New York, Auerbach Publications, 2007.
 - OPNET Technologies. www.opnet.com
- C. Perkins, B.-R. E., and D. S., "Ad hoc On-demand Distance Vector routing,"Request For Comments (Proposed Standard) 3561, Internet Engineering Task Force http://www.ietf.org/rfc/rfc3561.txt?number=3561, July 2003

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