

information to reach all other nodes. First, *to find out nearest neighbors a beacon less query processing method is used. In these method, the query-issuing node first forwards a query using geo-routing to the nearest node from the point specified by the query (query point). Then, the nearest node from the query point forwards the query to other nodes close to the query point, and each node receiving the query replies with the information on itself.* Second, to exchange routing information, it sends the periodic route update. Third it packages a converted binary tree to reduce the size of the payload by about a half. Finally, interleave full-dump messages with differential updates so that, in relatively stable networks, the differential updates are much shorter than the full-dump messages. As a result, the routing overhead of PSR is only a fraction or less compared with DSR. Also the traffic is reduced compared with beacon based methods by this experiments.

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