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Performance analysis of OLSRv2 with ETX, ETT and DAT metrics in static wireless networks

Tytuł

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Abstract: This paper presents the performance evaluation results of the routing mechanism for mobile ad-hoc networks based on the proactive Optimized Link State Routing (OLSRv2) protocol. The experiments were carried out in real environment with radio nodes based on Wi-Fi

equipment and OLSRv2 implementation. The results were discussed and dependency of the link metric on the data rate and packet loss ratio was shown. The improvement to the link metric calculation was proposed. The problem of paths' metrics incoherence in heterogonous networks due to different links' metric estimation was shown.

Keywords: [MANET](#), [OLSR](#), [link metric](#), [routing efficiency](#)

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