

Topology Optimization in Adhoc Networks

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Abstract: In the context of the rapid growth of self-organizing wireless networks (Ad hoc), topology optimization plays a crucial role in ensuring performance and reliability. This topic aims to address the problem of selecting an optimal network structure based on specific usage requirements. By combining theoretical research with experimentation, we will propose new methods for designing efficient Ad hoc topologies. The expected outcome is to provide suitable solutions to improve service quality and reduce operational costs in self-organizing wireless networks.

Keywords: Topology Optimization, Ad Hoc Network, Experimental Theoretical Research