

Research on congestion control in NGN

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Abstract: This topic focuses on researching and proposing effective solutions to control and reduce congestion in Next-Generation Networks (NGN). In the context of the increasingly developing information technology, ensuring speed and quality of service is an urgent requirement. The objective of this research is to build a data traffic management system based on machine learning methods to optimize network performance. The approach includes both theoretical research and practical application deployment, thereby providing flexible solutions for congestion control in NGN. The expected outcome of this topic is a significant contribution to the development of network technology and a substantial improvement in data traffic handling capabilities.

Keywords: NGN, Congestion Control, Traffic Management, Machine Learning, Information Technology