

Some optimization solutions in 3G-UMTS networks

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Abstract: This topic focuses on analyzing and proposing solutions to optimize network performance for the 3G-UMTS system, aiming to improve service quality and reliability. Through a combination of theoretical research and experimentation, the goal is to build an effective bandwidth management system to minimize signal loss and reduce interference. The expected results will bring significant value in upgrading the current mobile network infrastructure, contributing to the advancement of 3G-UMTS technology.

Keywords: optimization, 3G-UMTS, bandwidth management, quality of service, mobile system