

Research on factors affecting the quality of OCDMA network systems

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Abstract: This topic focuses on analyzing and evaluating factors affecting the quality of OCDMA (Orthogonal Frequency Division Multiplexing Advanced Coding and Modulation) network systems in practice. The objective is to address the issue of data transmission performance over modern telecommunications networks. The research methodology includes synthesizing and analyzing previous works, while implementing theoretical validation and practical applications to assess the impact of these factors. Through this, the topic aims to contribute to the understanding of optimizing OCDMA network systems, enhancing the quality of data transmission services, thereby promoting the development of modern telecommunications technology.

Keywords: OCDMA, telecommunications network, influencing factors, transmission performance