

Research on some adaptive methods used in OFDM

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Abstract: This topic focuses on researching and applying adaptive methods for OFDM (Orthogonal Frequency Division Multiplexing) transmission systems to address data transmission efficiency issues in noisy environments. The objective of the project is to design and implement an OFDM system capable of self-adjusting to changes in the transmission environment. The method combines theoretical research and experimentation to identify optimal algorithms for OFDM in specific scenarios. Expected results include significant improvement in data transmission performance and contributions to the development of modern wireless transmission technology.

Keywords: OFDM, adaptive method, wireless transmission