

Research OFDM technology and build a simulation program in Matlab.

Nguyen Cong Long

Abstract: This topic focuses on analyzing and evaluating Orthogonal Frequency Division Multiplexing (OFDM) technology, a key solution in modern communications. Through theoretical research combined with practical application deployment in the MatLab environment, the topic aims to build an effective simulation system for OFDM to support the optimization of design and testing of signal transmission systems. The expected results from this work not only provide important knowledge about OFDM but also contribute to the development of modern analytical tools in the field of digital communications.

Keywords: OFDM, MatLab, communication simulation, system design, digital engineering