

Multi-Input Multi-Output Orthogonal Frequency Division Multiplexing for Broadband Wireless Communications

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Abstract

Multi-Input Multi-Output Orthogonal Frequency Division Multiplexing (MIMO-OFDM) is a widely implemented modulation scheme in broadband wireless communications. This scheme improves the reliability as well as the capacity of the communication links.

In this presentation, the principle of the MIMO-OFDM is reviewed and the limitation of the MIMO-OFDM is explained. The new approach in the MIMO-OFDM that overcomes this capacity limitation will be presented as the results of the latest research achievement.