Abstract

In this paper, the performance of BCH correcting code is evaluated in comparison with Convolutional encoding using interleaved OFDM modulation. The system shows a consistent improvement in BER performance when add BCH coding on AWGN channel of OFDM with modulation schemes of 16 QAM. Hence the proposed MIMO-OFDM system has a better performance in terms of BER as compared to others modulation schemes.

References

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- MATLAB, “HELP, Communication, toolbox, Block Interleaving.”


System:

**Index Terms**

Computer Science  Communications

**Keywords**

AWGN; BCH Coding; BER; DPSK; MIMO; OFDM; PSK; QAM; SNR.