Abstract

The use of multiple antennas at both transmitter and receiver has been shown to be an effective way to improve capacity and reliability over those achievable with single antenna wireless systems. Orthogonal Space-Time Block Code (OSTBC) is space-time coding techniques in which data is split into n streams which are simultaneously transmitted using n transmit antennas which can be received by single or multiple antennas. The performance of OSTBC technique can be analyzed for different modulation techniques using multiple transmitting and receiving antennas in terms of BER & SNR.

References

 Performance Analysis of Orthogonal Space-Time Block Code over Rayleigh Fading Channels for Various


Index Terms

Computer Science  Communications
Keywords
Rayleigh fading channel  Multiple Input Multiple Output (MIMO)  Maximum Likelihood decoding

Space-Time Block Coding