A Novel Strategy for Performance Improvement of MISO Wireless System using Alamouti STBC with 4th order FIR Filter

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Abstract

The wireless communication system is highly desirable field among the researchers these days because of the increasing demand of high speed of networks to serve on the next generation mobile devices. The various researches already completed but the reliability like leased line hasn’t achieved yet. The end to end performance of the system still needs to be improved. In this paper same we are trying to improve. The figure of merit is Bit Error Rate (BER). The proposed approach depends on multiple input single output (MISO) system which significantly improves the performance. Now to improve more the Alamouti STBC with 4th Order FIR filter is implemented. The filtering approach have changed picture of the system by reducing the error probability. BER performance achieved in this paper is better than existing work.

References

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Index Terms

Computer Science

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Keywords
Alamouti STBC  MISO  FIR Filter  QAM Modulation.