Abstract

Wireless communication is the heart of all the modern communications techniques. The future communication is mostly all about related to wireless communications. In wireless communication, different modulation methods are playing the vital roles. To combat the error in transmission channel coding techniques are very much necessary. In this paper, theoretical BER (bit error rate) analysis with Eb /No (Energy per Bit to Noise Power) has been done for various digital modulations techniques such as 8-PSK, 16-QAM and 64-QAM. The paper has also included various channel coding schemes such as block code and convolutional code in the analysis. For all the analysis, AWGN (Additive White Gaussian Noise) channel has been considered.

References

Comparative Analysis of Various Wireless Digital Modulation Techniques with different Channel Coding Schemes under AWGN Channel


Index Terms

Computer Science Wireless

Keywords
PSK, QAM, block code, convolutional code, AWGN, BER etc..