Abstract

In recent years, the Interleave-Division Multiple-Access (IDMA) scheme has attracted the attention of researchers to be a promising candidate for next generation networks. And since then numerous technical papers about IDMA have been published in the literature. In this
paper, we have simulated the IDMA scheme with various interleavers and modulation mechanism to establish the fact that tree based interleaver along with QPSK modulation mechanism performs better than other mechanisms. It has also been shown that the tree based interleaver is the optimum interleaver for IDMA receivers because it is the best solution to fading at low cost and without requirement of extra bandwidth.

References


Index Terms

Computer Science

Keywords

Modulation mechanism  Channel Model  Multiple Access Scheme  Tree Based Interleaver