Abstract

This work investigates an uplink multiple access technique with Random Access Block Interleaving and Stanford University Interim (SUI) channel model. The crucial requirement is a better Bit-Error Rate performance of the proposed system. The article analyzes and compares the performance of proposed system, taking different block lengths and a different number of users, against that SUI. The simulation results show that with an increase in block length, the performance of random access block interleaving with the SUI channel we see that SUI performs better than AWGN channel.

References


**Index Terms**

Computer Science  Wireless

**Keywords**

Random access block interleaving, SUI, Block length, BER.