Abstract

Multiple input and multiple output (MIMO) is a key technology for third and fourth generation wireless communication system. Unique aspect of MIMO is spatial multiplexing which actually increases the data rate by transmitting several information stream in parallel without increasing the transmit power. However, spatial demultiplexing or signal detection at the receiver side is a challenging task for Spatially Multiplex MIMO (SM MIMO) systems. This paper presents numerical experimentation to detect the signal in MIMO using MatLab platform.

References

Numerical Experimentation to Detect the Signal in MIMO


Index Terms

Computer Science

Communication

Keywords
Detection  spatial multiplexing  wireless communication  ZF  V-Blast  MMSE