

Research on OCDMA optical information systems

Tran The Bao

Abstract: In the context of increasing data transmission demands, research on Optical Code Division Multiple Access (OCDMA) systems has become urgent. This project aims to build and optimize an optical switching system based on OCDMA to efficiently address the problem of optical shared access. The research method combines theory with experimentation to ensure system stability and high performance. The significance of the project lies in its contribution to advanced optical information technology, enhancing data processing capabilities and meeting modern demands in information transmission.

Keywords: Optical information system, OCDMA, Optical common access