

ESTIMATION OF TRANSMISSION QUALITY IN WDM NETWORKS

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High speed data rate is a very imperative requirement today and it is increasing according to the customer requirements for various applications such as live broadcasting, video on internet, video conferencing etc. This research is based on how we can design and analysis the optical fiber communication system. . WDM with enormous bandwidth and low energy consumption has been considered to construct optical access network. In this paper, we introduce the architecture of WDM-PON and present its operation principles and performance characteristics. The network topology is simulated using OptiSystem which is a simulation system used for designing, testing and performance of the optical network.

Topics

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