Abstract

FDDI is an optical standard for data transmission which gave a transmission speed of 100 Mbit/s in a local area network. The throughput and response time is a measure of performance of a network. The performance of the FDDI system depend on various parameters namely ring latency, TTRT, number of stations, bandwidth, transmission delay, propagation time and group velocity. The throughput or the efficiency of the network can be increased by controlling and then minimizing the ring latency with respect to TTRT. The response time can be improved by decreasing the transmission delay and propagation time with respect to the bandwidth and group velocity respectively.

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**Index Terms**

Computer Science

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**Keywords**

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