Abstract
Simulations of a 4 x 4 optical packet space switch array based on optically amplified suppressed interference switches (OASIS) were carried out. The OptSim simulator was used to model the structure, to assess the behavior and performance of this switch array. Parameters such as Q factor and bit error rate (BER), jitter were calculated. Implications of cascadability of this switch array are investigated which improves the quality and capacity of the existing networks. Transparent space switch array is an enabling technology for implementing OPS. [1]

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Index Terms

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