

Abstracts

Compensation of Intermodal Dispersion by Splicing Two Graded-Index Multimode Fibers

K. Morishita, H. Ikeda and N. Kumagai. "Compensation of Intermodal Dispersion by Splicing Two Graded-Index Multimode Fibers." 1982 Transactions on Microwave Theory and Techniques 30.5 (May 1982 [T-MTT]): 694-700.

The deviations from the group delays expected for the optimum power-law index profile are numerically calculated for several types of undesired fibers using a scalar multilayer approximation method. This paper shows the way two fibers are selected from among undesired fibers so that the fiber spliced to each other becomes broad band.

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