

# Abstracts

## An Ideal Refractive-Index-Distribution and Mode Filter for Band Broadening of Multimode Optical Fiber

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*K. Furuya, Y. Suematsu, T. Tanaka and S. Ishikawa. "An Ideal Refractive-Index-Distribution and Mode Filter for Band Broadening of Multimode Optical Fiber." 1976 MTT-S International Microwave Symposium Digest of Technical Papers 76.1 (1976 [MWSYM]): 30-32.*

The focusing fiber whose refractive index distribution has the valley at the periphery of the core, as the ideal index distribution with respect to the bandwidth, is analyzed exactly, by which the group delay spread caused by the core-cladding boundary can be eliminated, and, therefore, the bandwidth can be broadened.

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