

Abstracts

A Simple Coupled-Mode Analysis Method for Multiple-Core Optical Fiber and Coupled Dielectric Waveguide Structures (1988 Vol. II [MWSYM])

N. Kishi and E. Yamashita. "A Simple Coupled-Mode Analysis Method for Multiple-Core Optical Fiber and Coupled Dielectric Waveguide Structures (1988 Vol. II [MWSYM])." 1988 MTT-S International Microwave Symposium Digest 88.2 (1988 Vol. II [MWSYM]): 739-742.

A simple method is proposed for the coupled-mode analysis of multiple-core optical fiber and coupled dielectric waveguide structures. Total coupled-mode fields are approximately evaluated by using the field of two adjacent cores. The results of numerical calculation are compared with those of a rigorous analysis.

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