

Abstracts

Power Transfer Between Single-Mode and Multimode Optical Fibers

H.S. Huang, H.-C. Chang and J.-s. Wu. "Power Transfer Between Single-Mode and Multimode Optical Fibers." 1986 MTT-S International Microwave Symposium Digest 86.1 (1986 [MWSYM]): 519-522.

Based on a coupled-mode theory, the power transfer between two parallel single-mode and multimode optical fibers is investigated. Numerical calculations show that power coupling among the guided modes can be very complicated. The theoretical results provide an important guidance for the design of directional couplers composed of such fibers.

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