

CONTROLLED FIBER-OPTICAL DIVIDER

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S u m m a r y

A controlled light divider of the type 2×2 , realized on the base of an all-fiber Mach - Zender interferometer, is studied. The redistribution of energy on the outputs of channels happens owing to a controlled modification of waves' phases, which arrive at the input of optically tunnel-connected fibers. When a dc controlling voltage has applied to piezoelectric cylinders, the factor of the energy distribution over channels of $0,007 \text{ V}^{-1}$ is obtained.