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## Polarization mode dispersion in birefringent microstructured fibers

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Abstract

The possibility of compensation of polarization mode dispersion (PMD) by using highly birefringent (HB) fibers was proposed a few years ago. In this paper, we present our results of measurement of PMD value in a new type of birefringent microstructured fibers: photonic crystal fibers (PCF). Their low temperature sensitivity and simultaneously high longitudinal strain sensitivity make them possible to be used as PMD compensation components.



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