

Wavelength-Dependence of Inter-Core Crosstalk in Homogeneous Multi-Core Fibers - DTU Orbit (08/11/2017)

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The wavelength dependence of inter-core crosstalk in homogeneous multi-core fibers (MCFs) is investigated, and the corresponding analytical expressions are derived. The derived analytical expressions can be used to determine the crosstalk at any wavelength necessary for designing future MCF wavelengthdivision multiplexing (MCF-WDM) networks and transmission systems.

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