

# Abstracts

## Analysis of the Symmetrical Modes for an Eccentrically Cladded Fiber

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*N.M. Metrou, J.D. Kanellopoulos, J.A. Roumeliotis and J.G. Fikioris. "Analysis of the Symmetrical Modes for an Eccentrically Cladded Fiber." 1982 Transactions on Microwave Theory and Techniques 30.3 (Mar. 1982 [T-MTT]): 217-220.*

This paper examines the core and the cladding modes of an eccentrically cladded three-layer dielectric waveguide. The solutions are specialized to small eccentricities, and exact closed-form expressions for the normalized deviations of the cutoff wavenumbers from those of the concentric case are determined. Numerical results for the symmetrical cladding modes of the fiber are given.

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