

Abstracts

E-Type Modes in Cylindrical Dielectric Waveguides with Periodic Boundary Perturbations (Short Papers)

E. Topuz. "E-Type Modes in Cylindrical Dielectric Waveguides with Periodic Boundary Perturbations (Short Papers)." 1976 Transactions on Microwave Theory and Techniques 24.11 (Nov. 1976 [T-MTT] (Special Issue on Millimeter Waves: Circuits, Components, and Systems)): 872-875.

A general method for the analysis of the effects of periodic boundary perturbations on E-type modes of dielectric waveguides (DW's) is presented. The method is applied to hollow cylindrical dielectric waveguide (HCDW), and numerical solutions for surface wave and radiation mode intensities are given.

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