Abstracts

Complete spectrum of multidepth corrugated circular waveguides

S. Amari, R. Vabldieck and J. Bornemann. "Complete spectrum of multidepth corrugated circular waveguides." 1999 Microwave and Guided Wave Letters 9.1 (Jan. 1999 [MGWL]): 7-9.

The paper presents a rigorous full-wave analysis of the complete spectrum of multidepth corrugated circular waveguides. The propagation constants are determined from the classical eigenvalues of a canonical matrix eigenvalue problem instead of a complex determinant. The method is used to determined the entire k/sub o/-/spl beta/ diagram of a dual-depth circular waveguide.

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