Abstracts

Rigorous Analysis of Open Microstrip Lines of Arbitrary Cross Section in Bound and Leaky Regimes (Dec. 1989 [T-MTT])

K.A. Michalski and D. Zheng. "Rigorous Analysis of Open Microstrip Lines of Arbitrary Cross Section in Bound and Leaky Regimes (Dec. 1989 [T-MTT])." 1989 Transactions on Microwave Theory and Techniques 37.12 (Dec. 1989 [T-MTT] (1989 Symposium Issue)): 2005-2010.

The problem of an open microstrip line of arbitrary cross section is solved by an integral equation technique in conjunction with the method of moments. The approach is general and can handle as special cases multiple strips and strips of finite or infinitesimal thickness. It applies to both the fundamental and higher order modes, whether in the bound or the leaky regime. Computed dispersion curves and modal current distributions are presented for several cases of interest and, where possible, are compared with published data.

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