Abstracts

Rigorous Analysis of Open Microstrip Lines of Arbitrary Cross-Section in Bound and Leaky Regimes (1989 Vol. II [MWSYM])

K.A. Michalski and D. Zheng. "Rigorous Analysis of Open Microstrip Lines of Arbitrary Cross-Section in Bound and Leaky Regimes (1989 Vol. II [MWSYM])." 1989 MTT-S International Microwave Symposium Digest 89.2 (1989 Vol. II [MWSYM]): 787-790.

The problem of a 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 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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