

Abstracts

A Spectral Domain Analysis for Solving Microstrip Discontinuity Problems

Y. Rahmat-Samii, T. Itoh and R. Mittra. "A Spectral Domain Analysis for Solving Microstrip Discontinuity Problems." 1974 Transactions on Microwave Theory and Techniques 22.4 (Apr. 1974 [T-MTT]): 372-378.

A general approach for deriving quasi-static equivalent circuits for discontinuities in microstrip lines is presented. The formulation is based upon Galerkin's method applied in the Fourier transform domain. Numerical results are presented for a number of different configurations and compared with data available from other sources.

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