

Abstracts

A Method for Computing Edge Capacitance of Finite and Semi-Infinite Microstrip Lines (Short Papers)

T. Itoh, R. Mittra and R.D. Ward. "A Method for Computing Edge Capacitance of Finite and Semi-Infinite Microstrip Lines (Short Papers)." 1972 Transactions on Microwave Theory and Techniques 20.12 (Dec. 1972 [T-MTT] (1972 Symposium Issue)): 847-849.

This short paper describes a method for computing the edge capacitance of finite or semi-infinite sections of microstrip transmission lines. The approach is based on Galerkin's method applied in the Fourier-transform domain. It is mathematically simple and requires the inversion of rather small-size matrices.

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