Abstracts

Efficient Computation of High-Frequency Two-Dimensional Effects in Multiconductor Printed Interconnects (Short Papers)

L. Carin. "Efficient Computation of High-Frequency Two-Dimensional Effects in Multiconductor Printed Interconnects (Short Papers)." 1992 Transactions on Microwave Theory and Techniques 40.1 (Jan. 1992 [T-MTT]): 155-158.

The spectral domain technique with a Galerkin moment method solution is used to study high-frequency, two-dimensional effects such as dispersion and leakage in multiconductor printed interconnects. A simple asymptotic procedure is used to significantly improve the convergence of oscillatory spectral integrals involving distant expansion and testing functions. Examples are given for leaky waves on two multiconductor printed transmission line geometries.

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