

Abstracts

A Robust Approach for the Derivation of Closed-Form Green's Functions

M.I. Aksun. "A Robust Approach for the Derivation of Closed-Form Green's Functions." 1996 Transactions on Microwave Theory and Techniques 44.5 (May 1996 [T-MTT]): 651-658.

Spatial-domain Green's functions for multilayer, planar geometries are cast into closed forms with two-level approximation of the spectral-domain representation of the Green's functions. This approach is very robust and much faster compared to the original one-level approximation. Moreover, it does not require the investigation of the spectral-domain behavior of the Green's functions in advance to decide on the parameters of the approximation technique, and it can be applied to any component of the dyadic Green's function with the same ease.

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