

Abstracts

Complex Image Method for Sources in Bounded Regions of Multilayer Structures

R.A. Kipp and C.H. Chan. "Complex Image Method for Sources in Bounded Regions of Multilayer Structures." 1994 Transactions on Microwave Theory and Techniques 42.5 (May 1994 [T-MTT]): 860-865.

Other researchers have employed complex image theory to rapidly evaluate spatial-domain Green's functions in layered media. While workable in instances where the source lies within or at the interface of an unbounded region, the more general methodology given for a source embedded in a dielectric layer is incorrect. This paper explains the nature of the error and how it can be corrected.

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