

Abstracts

Discrete complex image method for Green's functions of general multilayer media

Feng Ling and Jian-Ming Jin. "Discrete complex image method for Green's functions of general multilayer media." 2000 Microwave and Guided Wave Letters 10.10 (Oct. 2000 [MGWL]): 400-402.

The discrete complex image method is extended to efficiently and accurately evaluate the Green's functions of multilayer media for the method of moments analysis. The difficulty associated with the surface-wave extraction for multilayer media is solved by evaluating a contour integral recursively in the complex $k_{\text{sub}} p$ -plane. With this scheme, the discrete complex image method works in both the near- and far-field regions for general multilayer media, whether open or shielded and lossy or lossless.

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