

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

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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 -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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