Abstracts

Flexibility in the Choice of Green's Function for the Boundary Element Method (1993 Vol. II [MWSYM])

T.-N. Chang and Y.C. Sze. "Flexibility in the Choice of Green's Function for the Boundary Element Method (1993 Vol. II [MWSYM])." 1993 MTT-S International Microwave Symposium Digest 93.2 (1993 Vol. II [MWSYM]): 921-922.

A more useful Green's function is choosen for quasi-static analysis of the shielded planar transmission lines by the bounary element method. The new employed Green's function satisfies the forced boundary conditions in a rectangular region. In this way, it is shown that not only the the integral path can be performed merely along the line where the strip locates, but the integral equation is also simplified. The proposed method is useful to characterize multilayered structure. Finite metallization thickness can also be treated.

❑ Return to main document.