

Abstracts

A Variational Approach to Compute the Equivalent Capacitance of Coaxial Line Discontinuities

L. Gogioso, M. Marchesi and M. Parodi. "A Variational Approach to Compute the Equivalent Capacitance of Coaxial Line Discontinuities." 1979 MTT-S International Microwave Symposium Digest 79.1 (1979 [MWSYM]): 580-582.

A variational approach is presented which enables both to compute the discontinuity capacitance in coaxial structures and to state its frequency behaviour. The results compare favorably with the ones previously given in literature. Moreover, the method enables to consider structures having different dielectric permittivities at the sides of the discontinuity.

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