

Abstracts

Desegmentation Method for Analysis of Two-Dimensional Microwave Circuits

P.C. Sharma and K.C. Gupta. "Desegmentation Method for Analysis of Two-Dimensional Microwave Circuits." 1981 Transactions on Microwave Theory and Techniques 29.10 (Oct. 1981 [T-MTT]): 1094-1098.

A new method for the analysis of two-dimensional planar circuits called the "desegmentation" method is proposed. This method is applicable to configurations which can be converted into regular shapes (for which Green's functions are known) by adding one or more regular shaped segments to them. Two examples of planar circuits, chosen such that the results could be verified by the previously known segmentation technique, illustrate the validity of the method.

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