

Abstracts

Computer Analysis of Short-Boundary Planar Circuits

T. Okoshi and S. Kitazawa. "Computer Analysis of Short-Boundary Planar Circuits." 1975 Transactions on Microwave Theory and Techniques 23.3 (Mar. 1975 [T-MTT]): 299-306.

A method of computer analysis of planar (two-dimensional) circuits having an arbitrarily shaped short boundary is proposed. The proposed method is based upon the contour integral representation of the two-dimensional wave equation. Results of the computer analyses for simple circuits are compared with analytical solutions to show the validity and accuracy of the proposed method. Some examples of analyses of practical circuits are also presented.

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