

Abstracts

A Modified Dynamic Model for Planar Microwave Circuits (Dec. 1991 [T-MTT])

T. Rozzi, A. Morini, A. Pallotta and F. Moglie. "A Modified Dynamic Model for Planar Microwave Circuits (Dec. 1991 [T-MTT])." 1991 Transactions on Microwave Theory and Techniques 39.12 (Dec. 1991 [T-MTT] (1991 Symposium Issue)): 2148-2153.

The present work is aimed at enhancing the effectiveness of the moments method in solving planar microwave circuits problems. It stems from the same analytical model as [11, [2]. Its novelty consists in introducing a technique, of fundamental mode sampling, that substantially reduces the complexity of the analysis and the computation time involved in the characterization of all practical discontinuities. Moreover, the numerical results are in very good agreement with experimental data.

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