

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

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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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