

Abstracts

Piecewise Stability Analysis in Microwave Circuits

S. Basu, S.A. Maas and T. Itoh. "Piecewise Stability Analysis in Microwave Circuits." 1995 Microwave and Guided Wave Letters 5.5 (May 1995 [MGWL]): 159-160.

A novel method for analyzing the global stability of microwave circuits under multi-parameter variation is presented. In this method, an arbitrary linear circuit is divided up into subcircuits containing parametric elements and a fixed linear circuit. This approach improves the computational efficiency by eliminating the need for recalculation of the Y-parameters of the fixed part of the linear circuit.

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