

Abstracts

The effect of device modeling on a parameter switching continuation method used in waveform balance simulations

G.J.J. van Zyl. "The effect of device modeling on a parameter switching continuation method used in waveform balance simulations." 1997 Transactions on Microwave Theory and Techniques 45.4 (Apr. 1997 [T-MTT]): 549-551.

The effect of device modeling on a continuation method used to determine the large signal voltage and current waveforms of a nonlinear circuit is investigated. It is found that modeling the nonlinear element in such a way that the resulting waveform balance error function is continuously differentiable greatly enhances the performance of the algorithm.

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