Abstracts

A General-Purpose Computer Program for the Volterra-Series Analysis of Nonlinear Microwave Circuits

This paper describes a computer program that performs a Volterra-series analysis of a weakly nonlinear microwave circuit having an arbitrary topology. It uses the method of nonlinear currents and a nodal formulation. When special algorithms are used to evaluate only the minimum necessary set of mixing products, the computational efficiency is very great.

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