

Abstracts

The Anti-Circuit Concept for the Characterization of Active Circuits Using Electromagnetic Simulations

S. Ooms and D. De Zutter. "The Anti-Circuit Concept for the Characterization of Active Circuits Using Electromagnetic Simulations." 1996 Transactions on Microwave Theory and Techniques 44.11 (Nov. 1996 [T-MTT]): 2032-2038.

The anti-circuit is introduced as a new concept in network theory. A new technique based thereupon, for the combination of electromagnetic field simulations of planar circuits and the analysis of complex active circuits is proposed. This technique allows the incorporation of passive lumped elements as well as the passive metallization of active components into electromagnetic simulations and provides a simple interface for active and nonlinear simulations.

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