

Abstracts

A Unified Framework for Computer-Aided Noise Analysis of Linear and Nonlinear Microwave Circuits (1991 Vol. III [MWSYM])

S. Heinen, J. Kunisch and I. Wolff. "A Unified Framework for Computer-Aided Noise Analysis of Linear and Nonlinear Microwave Circuits (1991 Vol. III [MWSYM])." 1991 MTT-S International Microwave Symposium Digest 91.3 (1991 Vol. III [MWSYM]): 1217-1220.

This paper introduces a new unified theoretical concept for noise analysis in analog and microwave circuits. Based on the adjoint system approach an analysis technique for general purpose CAD-applications is presented. The algorithm is easy to be implemented into existing CAD-tools. Moreover, it exploits the advantages of sparse matrix techniques.

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