

# Abstracts

## A Unified Framework for Computer-Aided Noise Analysis of Linear and Nonlinear Microwave Circuits (Dec. 1991 [T-MTT])

---

*S. Heinen, J. Kunisch and I. Wolff. "A Unified Framework for Computer-Aided Noise Analysis of Linear and Nonlinear Microwave Circuits (Dec. 1991 [T-MTT])." 1991 Transactions on Microwave Theory and Techniques 39.12 (Dec. 1991 [T-MTT] (1991 Symposium Issue)): 2170-2175.*

This paper introduces a concept for noise analysis in analog new unified theoretical 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.

[Return to main document.](#)