

Abstracts

A CAD-Oriented Method for Noise Figure Computation of Two-Ports with Any Internal Topology

J.A. Dobrowolski. "A CAD-Oriented Method for Noise Figure Computation of Two-Ports with Any Internal Topology." 1989 Transactions on Microwave Theory and Techniques 37.1 (Jan. 1989 [T-MTT]): 15-20.

A method for computer-aided noise analysis and an algorithm for the noise parameter computation of two-ports with any internal topology are discussed. The approach is applicable to circuits which are composed of any number of passive linear multiports and active linear two-port devices. The noise analysis is based on the scattering matrix description for circuit elements and wave representation for noise.

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