

Abstracts

The Impact of Generalized Symmetry on Computer-Aided Design of Cascaded Structures

J.W. Bandler, R.M. Biernacki and M.R.M. Rizk. "The Impact of Generalized Symmetry on Computer-Aided Design of Cascaded Structures." 1979 MTT-S International Microwave Symposium Digest 79.1 (1979 [MWSYM]): 356-358.

New theoretical and computational tools are presented which deal with generalized symmetry concepts related to the computer-aided design of cascaded structures. The presentation includes the computational implications of networks consisting of symmetrically located reverse adjoint subnetworks with and without scaling, as well as antisymmetry. Formulas presented are designed to be used in simulation, sensitivity and tolerance analyses as well as in optimal design.

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