Abstracts

Microwave Circuit Analysis by Sparse-Matrix Techniques (Mar. 1974 [T-MTT])

Linear microwave circuit analysis by sparse-matrix techniques is discussed. Optimum equation ordering and pivoting are proposed to reduce execution time, storage requirement, and to improve accuracy. A direct first-order sensitivity method using sparse-matrix techniques is proposed and compared with the adjoint network method. Details on the implemented program and a numerical example are given.

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