

Abstracts

Efficient S-Parameter Calculation of Multiport Planar Structures with the Spectral Domain Analysis Method

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An iterative method based on a Lanczos-like algorithm for the solution of large systems of linear equations having multiple right-hand sides is presented. In connection with a new S-parameter extraction technique the method allows an efficient handling of multiport planar structures with the spectral domain analysis method. Measured and calculated results for closely coupled microstrip branchline couplers and patch couplers are presented.

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