

Abstracts

Coupling Fast Walsh Transform with Waveform Relaxation Technique to Analyze Lossy Coupled Transmission Lines

S. Qi and Q. Yang. "Coupling Fast Walsh Transform with Waveform Relaxation Technique to Analyze Lossy Coupled Transmission Lines." 1992 MTT-S International Microwave Symposium Digest 92.2 (1992 Vol. II [MWSYM]): 897-899.

A new approach, based on the waveform relaxation technique and fast Walsh transform, is first presented for the analysis of lossy coupled transmission lines (LCTL) with arbitrary terminal networks. The simulation accuracy of the new method can be greatly improved, the disadvantage which always exists in previous methods can be avoided and a considerable saving in time and memory of CPU is obtained.

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