

Abstracts

The FDTD Diakoptics Method

T.-W. Huang, B. Houshmand and T. Itoh. "The FDTD Diakoptics Method." 1993 MTT-S International Microwave Symposium Digest 93.3 (1993 Vol. III [MWSYM]): 1435-1438.

A finite-difference time-domain (FDTD) Diakoptics method is developed in this paper. Sequential and parallel algorithms are provided to connect cascaded segments and to realize the modular computation of large circuits. The proposed methods are applied to a one-dimensional case to confirm their validity by comparison with the results from Microwave SPICE (MWSPICE).

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