

Abstracts

A Fast Spatial Domain Method for the Suppression of Excitation-Induced Spurious Modes in SCN-TLM

S. Lindenmeier, B. Isele, R. Weigel and P. Russer. "A Fast Spatial Domain Method for the Suppression of Excitation-Induced Spurious Modes in SCN-TLM." 1996 MTT-S International Microwave Symposium Digest 96.1 (1996 Vol. I [MWSYM]): 351-354.

A fast method for the suppression of excitation-induced spurious modes in the Transmission Line Matrix (TLM) method is presented for the symmetrical condensed node (SCN) scheme. The method of spurious-free excitation allows for a coarser mesh discretization improving the effectiveness of the TLM-simulation. The capability of the method is demonstrated by way of an example.

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