

Abstracts

Circuit simulators as a tool for field simulations

T. Shibata and T. Takeda. "Circuit simulators as a tool for field simulations." 1999 MTT-S International Microwave Symposium Digest 99.1 (1999 Vol. I [MWSYM]): 389-392 vol. 1.

The feasibility of using circuit simulators as a field solver is examined. A circuit simulator is used to solve equivalent circuits of Maxwell's equations for given structures. It is shown that most two-dimensional problems are solved easily. The utility of some functions provided in circuit simulators is also demonstrated in various types of field simulations.

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