

Abstracts

Analysis of Complex Waveguide Structure Using the Finite-Difference Time-Domain Method

D.-C. Niu, B. Houshmand and T. Itoh. "Analysis of Complex Waveguide Structure Using the Finite-Difference Time-Domain Method." 1994 MTT-S International Microwave Symposium Digest 94.2 (1994 Vol. II [MWSYM]): 697-700.

FDTD algorithm is applied to several complex waveguide structures. In addition, valuable physical interpretation is obtained from the observation of electromagnetic wave and the waveguide structure interaction. Excellent agreement is obtained between the FDTD results and the conventional frequency domain techniques, and the experimental measurements for a number of representative structures.

[Return to main document.](#)