Session W

Descrete Modeling of Fields in Microwave Structures

Chairman:

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Methods of discrete field modeling in the time domain as well as in the frequency domain, such as finite difference, TLM, and methods of lines meet with growing interest in electromagnetic field modeling for microwave applications. Stimulated by the availability of more computer power and parallel processing machines these methods are highly attractive due to their general applicability, their physical transparency and their high numerical stability. Time domain methods allow the treatment of impulsive excitations, nonlinear circuits, and moving boundary conditions. It is predicted that in the near future activities in this area will still be growing.

1:00 p.m.–2:30 p.m., Wednesday, June 3, 1992
Ballroom A