

Abstracts

An Adaptive Spectral Response Modeling Procedure for Multi-Port Waveguide Junctions

J.-F. Lee and Z.J. Cendes. "An Adaptive Spectral Response Modeling Procedure for Multi-Port Waveguide Junctions." 1987 MTT-S International Microwave Symposium Digest 87.1 (1987 Vol. I [MWSYM]): 337-339.

An adaptive scheme is proposed to generate the spectral response of waveguide junctions in minimum computation time. The procedure uses the newly developed transfinite element method to determine the fields in junctions at a few adaptively selected frequencies and then employs these solutions to generate the spectral response over the full frequency range.

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