

Abstracts

On the Accuracy of the Finite-Difference Method Using Mesh Grading

P. Mezzanotte, L. Roselli, C. Huber, H. Zscheile and W. Heinrich. "On the Accuracy of the Finite-Difference Method Using Mesh Grading." 1995 MTT-S International Microwave Symposium Digest 95.2 (1995 Vol. II [MWSYM]): 781-784.

The coarseness error of the Finite-Difference method is studied using a typical planar waveguide as a reference. Because of the field singularities involved a graded mesh proves to be superior compared to the equidistant case. A grading strategy with optimum efficiency is presented.

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