

# Abstracts

## Finite Element Analysis of Dispersion with Sharp Metal Edges in Waveguides

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*J.P. Webb. "Finite Element Analysis of Dispersion with Sharp Metal Edges in Waveguides." 1988 MTT-S International Microwave Symposium Digest 88.1 (1988 Vol. I [MWSYM]): 391-394.*

The dispersion characteristics of arbitrarily-shaped waveguides with sharp metal edges are found by a finite element method in which the usual polynomials are supplemented by singular trial functions. As in recent approaches, the method solves for the three components of magnetic field and can thereby avoid spurious modes.

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