

Abstracts

On the Numerical Solution of Fields in Cavities Using the Magnetic Hertz Vector

M. Couture. "On the Numerical Solution of Fields in Cavities Using the Magnetic Hertz Vector." 1987 Transactions on Microwave Theory and Techniques 35.3 (Mar. 1987 [T-MTT]): 288-295.

The possibility of using a representation of the electromagnetic fields in terms of a two-component magnetic Hertz vector to calculate fields and frequencies in cavities is examined. The governing equation is the vector Helmholtz equation, and the model is tested by calculating fields in axially symmetric cavities.

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