

Abstracts

A Method for the Rapidly Convergent Representation of Electromagnetic Fields in a Rectangular Waveguide (Short Papers)

K. Ishibashi and E. Sawado. "A Method for the Rapidly Convergent Representation of Electromagnetic Fields in a Rectangular Waveguide (Short Papers)." 1991 Transactions on Microwave Theory and Techniques 39.10 (Oct. 1991 [T-MTT]): 1796-1799.

In numerically analyzing the electromagnetic fields in a rectangular waveguide by the integral equation method it is essential to calculate the electromagnetic fields produced by the electric and magnetic currents and charges. In this paper, a new method is proposed to facilitate rapid calculation of the three-dimensional fields. This method is a modified image method and gives an accurate value in a short time.

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