

Abstracts

Scattering by a Ferrimagnetic Circular Cylinder in a Rectangular Waveguide (Comments)

P. Bhartia. "Scattering by a Ferrimagnetic Circular Cylinder in a Rectangular Waveguide (Comments)." 1974 Transactions on Microwave Theory and Techniques 22.11 (Nov. 1974 [T-MTT]): 975-975.

In the above paper, the authors have arrived at a general and rigorous solution for the scattering by a demagnetized ferromagnetic cylinder in a rectangular waveguide. Corrections to the above paper have appeared separately, and a proof has been presented to show that the unitary condition on the S matrix is guaranteed for any size of truncation in the formulation of that paper. However, a number of errors still remain and for completeness, they are pointed out here.

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