

Abstracts

A Series Transformation for Diaphragm-Type Discontinuities in Waveguide (Short Papers)

T.E. Rozzi and G. de Vrij. "A Series Transformation for Diaphragm-Type Discontinuities in Waveguide (Short Papers)." 1972 Transactions on Microwave Theory and Techniques 20.11 (Nov. 1972 [T-MTT]): 770-771.

In treating the problem of the inductive/capacitive diaphragm in waveguide with the integral equation or the moments method, it is often necessary to compute the matrix elements of the guide dyadic in terms of the aperture eigenmodes of the diaphragm. A transformation of the original series is presented that displays superior convergence properties of the numerical solution.

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