Abstracts

Bounds on the Elements of the Susceptance Matrix for Asymmetrical Obstacles in Waveguides (Correspondence)

K. Kalikstein and B. Schuldiner. "Bounds on the Elements of the Susceptance Matrix for Asymmetrical Obstacles in Waveguides (Correspondence)." 1964 Transactions on Microwave Theory and Techniques 12.2 (Mar. 1964 [T-MTT]): 252-253.

There exists a method for the deter-mination of upper and lower bounds on the elements of the reactance matrix B, or the equivalent network elements, for multi-channel scattering. This technique was applied to specific examples of lossless obstacles in a rectangular waveguide, which are symmetric with respect to some plane perpendicular to the axis of the waveguide. The problem was analyzed in terms of uncoupled even and odd standing waves.

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