

Abstracts

A Source of Error in the Use of Slope Detection for Perturbation Measurements (Correspondence)

K.B. Mallory. "A Source of Error in the Use of Slope Detection for Perturbation Measurements (Correspondence)." 1962 Transactions on Microwave Theory and Techniques 10.2 (Mar. 1962 [T-MTT]): 146-147.

In a typical laboratory measurement of the field-intensity distribution in a resonant cavity, the resonant frequency of the cavity is determined as a function of the position of a small metal or dielectric bead. The field distribution itself is then deduced directly from the frequency change.

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