

Abstracts

Improvement in Calculation of Some Surface Integrals: Application to Junction Characterization in Cavity Filter Design (Reply to Comments)

P. Guillot and H. Baudrand. "Improvement in Calculation of Some Surface Integrals: Application to Junction Characterization in Cavity Filter Design (Reply to Comments)." 1994 Transactions on Microwave Theory and Techniques 42.8 (Aug. 1994 [T-MTT]): 1588-1588.

We would like to thank Dr. Gentili for calling our attention to the work described in [1]. His paper focuses on some general properties of TE-TM field expansions when homogeneous waveguides with perfectly conducting walls are considered. In the particular case, where the waveguides on both sides of the discontinuity are homogeneous, the expressions that we have presented for the different couplings of TE and TM modes are in accordance with those obtained in [1]. However, we would like to emphasize an important feature of the following contour integral developed in [2]:

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