

Scattering at a Junction of Two Waveguides with Different Surface Impedances (Comments)

V. Daniele, I. Montrosset and R. Zich. "Scattering at a Junction of Two Waveguides with Different Surface Impedances (Comments)." 1985 Transactions on Microwave Theory and Techniques 33.8 (Aug. 1985 [T-MTT]): 740-741.

In the above paper, a criterion has been given in order to establish if the scattering problem of the junction between two waveguides with different surface impedances can be solved in closed form. In this comment, a different approach, based on a spectral formulation, shows that the possibility to obtain analytical expressions of the scattering coefficients depends on the form of the relevant Wiener-Hopf equation.

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