

# Abstracts

## A Variational Expression for the Scattering Matrix of a Step Discontinuity in a Coaxial Line and its Application to the Study of a Multimode Coaxial TEM Cell

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*I. Sreenivasiah and D.C. Chang. "A Variational Expression for the Scattering Matrix of a Step Discontinuity in a Coaxial Line and its Application to the Study of a Multimode Coaxial TEM Cell." 1979 MTT-S International Microwave Symposium Digest 79.1 (1979 [MWSYM]): 583-585.*

A variational expression, for the scattering matrix of a step discontinuity in a multimode coaxial transmission line, is obtained and the result is used to analyze the transmission characteristics of a coaxial TEM cell.

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