# Abstracts

## Characteristic Impedance of an Oval Located Symmetrically Between the Ground Planes of Finite Width (Short Papers)

*K.V.S. Rao, B.N. Das and A.K. Mallick. "Characteristic Impedance of an Oval Located Symmetrically Between the Ground Planes of Finite Width (Short Papers)." 1983 Transactions on Microwave Theory and Techniques 31.8 (Aug. 1983 [T-MTT]): 678-681.*

A conformal transformation for the analysis of a transmission line with an oval-shaped center conductor symmetrically placed between two finite ground planes is developed. The formulation is used to calculate the characteristic impedances of oval, elliptic, circular, and planar conductors placed midway between the finite ground planes. The results on impedance are presented for various values of ground plane width to spacing ratios.

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