

# Abstracts

## Properties of TE-TM Mode-Matching Techniques (Short Papers)

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G.G. Gentili. "Properties of TE-TM Mode-Matching Techniques (Short Papers)." 1991 *Transactions on Microwave Theory and Techniques* 39.9 (Sep. 1991 [T-MTT] (Special Issue on Microwave Applications of Superconductivity)): 1669-1673.

A line integral formulation of TE-TM mode-matching techniques for scattering problems in waveguides is described. The procedure is convenient from a computational point of view when the modes in the waveguides must be computed numerically. Some interesting properties of TE-TM mode-matching techniques are then demonstrated.

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