

Abstracts

Numerical Solution of the Continuous Waveguide Transition Problem

W.A. Huting and K.J. Webb. "Numerical Solution of the Continuous Waveguide Transition Problem." 1989 Transactions on Microwave Theory and Techniques 37.11 (Nov. 1989 [T-MTT]): 1802-1808.

Waveguide transitions are an essential part of many microwave systems. A simple transition between two sizes of rectangular waveguide is analyzed by using the generalized telegraphist's equation. Solutions are obtained using a new moment method technique, a Runge-Kutta algorithm, and an iterative numerical integration technique. The results are compared to previously published experimental and numerical data.

[Return to main document.](#)