

# Abstracts

## Improvement in Calculation of Some Surface Integrals: Application to Junction Characterization in Cavity Filter Design (Comments)

---

G.G. Gentili. "Improvement in Calculation of Some Surface Integrals: Application to Junction Characterization in Cavity Filter Design (Comments)." 1994 *Transactions on Microwave Theory and Techniques* 42.8 (Aug. 1994 [T-MTT]): 1587-1588.

In [1], the authors claim to have "...developed a rigorous method..., allowing the reduction of a surface integral to a contour integral" with application to mode-matching analysis of waveguide junctions. The method have the advantage of a 50% time reduction in the evaluation of the coupling integrals in mode-matching techniques.

[Return to main document.](#)