# Abstracts

## Efficient Analysis of Planar Circulators by a New Boundary-Integral Technique

*G.G. Gentili and G. Macchiarella. "Efficient Analysis of Planar Circulators by a New Boundary-Integral Technique." 1994 Transactions on Microwave Theory and Techniques 42.3 (Mar. 1994 [T-MTT]): 489-493.*

The application of a new boundary-integral technique to the study of planar circulators in stripline microstrip technology is described. The technique employs Green's second identity with plane waves as weighting functions, and leads to a very efficient algorithm for the analysis of planar devices in anisotropic media. Extensive comparison is made with results from the standard Contour-Integral formulations with very good agreement between the two techniques. The new technique is more stable in the critical region (μ/sub eff/ close to 0) and is somewhat faster.

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