

# Abstracts

## Elimination of Spurious Solutions in the Calculation of Eigenmodes by Moment Method (Short Papers)

---

*B. Souny, H. Aubert and H. Baudrand. "Elimination of Spurious Solutions in the Calculation of Eigenmodes by Moment Method (Short Papers)." 1996 Transactions on Microwave Theory and Techniques 44.1 (Jan. 1996 [T-MTT]): 154-157.*

In this paper the origin of nonphysical solutions obtained with Galerkin's method is described. To remove these spurious solutions a practical criterion is derived. It is shown on a patch resonator example with expansion functions satisfying edge conditions, that spurious solutions generated by the conventional approach are eliminated by the application of the proposed method.

[Return to main document.](#)