

Abstracts

Origin and Avoidance of Spurious Solutions in the Transverse Resonance Method

H. Aubert, B. Souny and H. Baudrand. "Origin and Avoidance of Spurious Solutions in the Transverse Resonance Method." 1993 Transactions on Microwave Theory and Techniques 41.3 (Mar. 1993 [T-MTT]): 450-456.

In the context of transverse resonance method, a criterion is established for the choice of trial functions introduced in Galerkin's method: this criterion allows to avoid the appearance of spurious solutions in the whole region of a propagation diagram and guarantees, at the same time, a good precision for the true solutions.

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