

Do covariant projection elements really satisfy the inclusion condition?

S. Caorsi, P. Fernandes and M. Raffetto. "Do covariant projection elements really satisfy the inclusion condition?." 1997 Transactions on Microwave Theory and Techniques 45.9 (Sep. 1997 [T-MTT]): 1643-1644.

Spurious modes which often are found among finite-element solutions of electromagnetic eigenvalue problems do not occur when covariant projection elements are used. It has been claimed that this happens because covariant projection elements satisfy the inclusion condition, but they do not satisfy it-as is proven in this paper.

 [Return to main document.](#)