

Abstracts

The Finite-Element Method for Finding Modes of Dielectric-Loaded Cavities (Short Papers)

J.P. Webb. "The Finite-Element Method for Finding Modes of Dielectric-Loaded Cavities (Short Papers)." 1985 Transactions on Microwave Theory and Techniques 33.7 (Jul. 1985 [T-MTT]): 635-639.

A three-dimensional high-order finite-element scheme is proposed for finding the modes of dielectric-loaded cavities of arbitrary shape. New light is shed on the presence of spurious solutions. Results for an empty rectangular box are compared with exact solutions, A loaded rectangular box is also analyzed.

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