

# Abstracts

## A Method for the Determination of All the Propagating Modes in a Loaded Waveguide Structure

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*A. Delfour, A. Priou and F.E. Gardiol. "A Method for the Determination of All the Propagating Modes in a Loaded Waveguide Structure." 1972 G-MTT International Microwave Symposium Digest of Technical Papers 72.1 (1972 [MWSYM]): 74-76.*

A method has been investigated for the accurate determination of the total number of propagating modes, the electromagnetic field patterns and the power density distribution in a transversely magnetized, ferrite loaded rectangular waveguide. The established criterion is valid for any ferrite material thickness and gives more complete results than the first method developed by Gardiol et al.

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