

# Abstracts

## Propagation in a Longitudinally Magnetized Ferrite-Filled Square Waveguide (Correspondence)

*W.E. Hord and F.J. Rosenbaum. "Propagation in a Longitudinally Magnetized Ferrite-Filled Square Waveguide (Correspondence)." 1968 *Transactions on Microwave Theory and Techniques* 16.11 (Nov. 1968 [T-MTT]): 967-969.*

The normal modes of a ferrite-filled longitudinally magnetized square waveguide are found using the generalized telegraphist's equations. The solutions are right- and left-hand circularly polarized waves. The predicted differential phase shift is within 10 percent of the experimental result.

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