

# Abstracts

## Propagation of TE Modes in Nonuniform Waveguides

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*H. Zucker and G.I. Cohn. "Propagation of TE Modes in Nonuniform Waveguides." 1962 Transactions on Microwave Theory and Techniques 10.3 (May 1962 [T-MTT]): 202-208.*

The conditions for TE mode propagation in rectangular waveguides with nonuniform dielectric media are established. An equation is derived for determining the capacitity functions which have equivalent curved waveguides with uniform dielectric media. The types of variable dielectric waveguides which have equivalent curved wall waveguides and a separable wave equation are determined.

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