

Abstracts

Propagation Along Transversely Inhomogeneous Coaxial Transmission Lines (Short papers)

R.E. McIntosh and L.J. Turgeon. "Propagation Along Transversely Inhomogeneous Coaxial Transmission Lines (Short papers)." 1973 Transactions on Microwave Theory and Techniques 21.3 (Mar. 1973 [T-MTT]): 139-142.

Numerical "shooting" methods are employed in obtaining the dispersion curves of a coaxial waveguide loaded with a radially inhomogeneous dielectric. The utility of this technique is tested by comparing results with known analytical solutions. The method is also used to find the dispersion curves of a coaxial waveguide loaded with a radially Gaussian-distributed plasma.

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