Abstracts

Orthogonality Relationships for Waveguides and Cavities with Inhomogeneous Anisotropic Media

A modfied reciprocity theorem forms the basis of development of orthogonality relationships for modes in waveguides and in cavities containing inhomogeneous, anisotropic media. In the lossless case certain of these may be interpreted in terms of power flow and energy storage. The special case of magnetized gyrotropic media is discussed for longitudinal and transverse magnetization.

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