

Abstracts

A General Functional Analysis to Dispersive Structures

J. Tan and G. Pan. "A General Functional Analysis to Dispersive Structures." 1996 MTT-S International Microwave Symposium Digest 96.2 (1996 Vol. II [MWSYM]): 1027-1030.

A new functional for 3-Dimensional waveguiding structures with dielectric and conductor losses is rigorously derived. Numerical examples are presented for anisotropic dielectric image waveguide, PTEE bilateral fin line, and two coupled asymmetrical dual lossy transmission lines with finite conductivity and finite thickness. Agreement with previous publications wherever available are observed.

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