

Abstracts

The Method of Lines for the Analysis of Planar Waveguides with Magnetized Ferrite Substrate

R. Pregla and S.B. Worm. "The Method of Lines for the Analysis of Planar Waveguides with Magnetized Ferrite Substrate." 1984 MTT-S International Microwave Symposium Digest 84.1 (1984 [MWSYM]): 348-350.

It is shown, how the very efficient method of lines can be applied to the analysis of planar waveguides (e.g. microstrip, slotline, finline or more complex structures) on ferrite substrate transversely magnetized perpendicular to the plane of the substrate. Dispersion diagrams for microstrip on magnetized ferrite substrate obtained with a desktop computer are presented.

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