

Abstracts

On the Analysis of Quasi-Planar Transmission Lines in Circular/Elliptical Waveguides Using the Method of Lines

K. Wu and R. Vahldieck. "On the Analysis of Quasi-Planar Transmission Lines in Circular/Elliptical Waveguides Using the Method of Lines." 1989 MTT-S International Microwave Symposium Digest 89.1 (1989 Vol. 1 [MWSYM]): 503-506.

The analysis of a class of quasi-planar transmission lines in circular/elliptical waveguides is introduced. Data will be presented to characterize wave propagation in microstrip and slotlines in closed and semi-open circular metallic enclosures. The method of lines has been modified for this problem to treat curved and open boundary value problems in this type of transmission lines.

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