Abstracts

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

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.

❑