Abstracts

Analysis of Electromagnetic Boundary-Value Problems in Inhomogenous Media with the Method of Lines (Short Papers)

In this paper we will show how the method of lines can be generalized for the analysis of inhomogenous media. The inhomogeneity is completely arbitrary; the permittivity of the investigated structures may vary in all three coordinate directions. Subjects under investigation are isolated dielectric resonators, microstrip filters with dielectric and metallic lossy resonators, and planar capacities.

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