Abstracts

Three Dimensional Finite - Element Formulation for Finline Discontinuity Problems

A three dimensional finite - element formulation is proposed for finding directly the electric or magnetic field at a given frequency of excitation inside a general multiaxial finline discontinuity. It is shown that this formulation can be used to find the scattering parameters of a general finline bend discontinuity problem. Results are presented for a case study of a finline step discontinuity problem.

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