Abstracts

Application of the Theory of Linear Operators to the Waveguide Discontinuity Problems

A new technique, based on the matrix representation of linear operators, is presented to solve the inverse problem of finding out a linear operator of known eigenvalues and eigenvectors. The technique solves the discontinuity of a junction between a rectangular waveguide and and a shielded microstrip. Experimental measurements achieved are in good agreement with the theoretical results.

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