Abstracts

The Numerical Solution of Waveguide Problems by Fast Fourier Transforms (Correspondence)

The classical method of boundary matching in conjunction with "fast Fourier transforms" permits many waveguide problems to be easily solved. The use of fast Fourier transforms in the analysis of waveguide problems is described. The method is illustrated by analyzing a section of waveguide containing two identical irises. The susceptances obtained for single inductive and capacitive irises and the magnetic and electric fields close to a single inductive iris are given.

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