

Method of calculating resonance frequencies of microstrip lines

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Abstract

© 2017 Pushpa Publishing House, Allahabad, India. The problem of determination of eigenfrequencies of microstrip lines under the assumption that the lines represent energetically close-loop lines is considered. The problem is stated as the spectral problem for the Helmholtz equation with homogeneous boundary conditions, which, in turn, is then reduced to the problem related to eigenvalues for the system of linear algebraic equations. Numerical results of application of the algorithm are presented for a one strip transmission line.

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Keywords

Microstrip line, Resonance frequency

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