

Abstracts

Analysis of Dominant and Higher Order Modes for Transmission Lines Using Parallel Cylinders (Short Papers)

B.N. Das and O.J. Vargheese. "Analysis of Dominant and Higher Order Modes for Transmission Lines Using Parallel Cylinders (Short Papers)." 1994 Transactions on Microwave Theory and Techniques 42.4 (Apr. 1994, Part I [T-MTT]): 681-683.

The note presents a method of transforming eccentric coaxial as well as double wire line of parallel cylinders into coaxial configuration using bilinear transformation expressed in terms of mutually inverse points. Cutoff wavelength for TM and TE modes are found from the solution of weighted Helmholtz equation. Numerical data on cutoff wavelength are presented.

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