

Abstracts

A Network Analogue Method for Computing the TEM Characteristics of Planar Transmission Lines

B.L. Lennartsson. "A Network Analogue Method for Computing the TEM Characteristics of Planar Transmission Lines." 1972 Transactions on Microwave Theory and Techniques 20.9 (Sep. 1972 [T-MTT]): 586-591.

A network analogue method for calculation of the capacitance matrix of certain two-dimensional multiconductor systems is presented. The system is contained in a finite or infinite conducting rectangular boundary. An arbitrary number of parallel dielectric layers can be present, and the conductors consist of an arbitrary number of conducting strips at one or more of the dielectric interfaces. The strips are assumed to have zero thickness.

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