

Abstracts

A Method for the Calculation of Exact Capacitances of Circular Rod Arrays (Short Papers)

S. Caspi. "A Method for the Calculation of Exact Capacitances of Circular Rod Arrays (Short Papers)." 1986 Transactions on Microwave Theory and Techniques 34.1 (Jan. 1986 [T-MTT]): 178-180.

An exact solution of the capacitance matrix of circular rods located inside a grounded rectangle is presented. The capacitances were determined by solving the integral equation for the charge densities on the conductors using the Green function. The results are compared to E. G. Cristal's data. Examples of the computing capacitance matrix for some unsymmetrical configurations are given.

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