# Abstracts

## Capacitance and Inductance Matrices of Coupled Lines from Modal Powers (Short Papers)

*S. Amari. "Capacitance and Inductance Matrices of Coupled Lines from Modal Powers (Short Papers)." 1993 Transactions on Microwave Theory and Techniques 41.1 (Jan. 1993 [T-MTT]): 146-150.*

The capacitance and inductance matrices of a system of coupled lines are calculated from the modal powers. Knowledge of the propagation constants of the different modes, the eigencurrent matrix [M/sub I/] and the modal powers uniquely specify the two matrices. The present approach is tested both analytically and numerically.

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