Abstracts

An Efficient Method for Computing the Capacitance Matrix of Multiconductor Interconnects in Very High-Speed Integrated Circuit Systems (Short Papers)

S.-P. Luo and Z.-F. Li. "An Efficient Method for Computing the Capacitance Matrix of Multiconductor Interconnects in Very High-Speed Integrated Circuit Systems (Short Papers)." 1995 Transactions on Microwave Theory and Techniques 43.1 (Jan. 1995 [T-MTT]): 225-227.

A new method for computing the capacitance matrix of multiconductor interconnects with firnite metallization thickness is developed. Converting the vertical wall of the rectangular conductors into the equivalent horizontal strips allows the Green's function in the spectral domain and the FFT algorithm to be used, which makes the method more effective for computing capacitance matrix of the interconnects.

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