

Abstracts

Efficient Capacitance Calculations for Three-Dimensional Multiconductor Systems

A.E. Ruehli and P.A. Brennan. "Efficient Capacitance Calculations for Three-Dimensional Multiconductor Systems." 1973 Transactions on Microwave Theory and Techniques 21.2 (Feb. 1973 [T-MTT]): 76-82.

The design and packaging of integrated circuits requires the calculation of capacitances for three-dimensional conductors located on parallel planes. An integral-equation (IE) computer-solution technique is presented, which provides accurate results. The solution technique minimizes computer storage requirements while maintaining calculating efficiency computation times.

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