

Abstracts

Analytical evaluation of the asymptotic impedance matrix of asymmetric gap discontinuities

Seong-Ook Park and C.A. Balanis. "Analytical evaluation of the asymptotic impedance matrix of asymmetric gap discontinuities." 1998 *Transactions on Microwave Theory and Techniques* 46.8 (Aug. 1998 [T-MTT]): 1132-1140.

New analytical formulas have been developed for evaluating the asymptotic impedance matrix of an asymmetric gap by using the integral transform method. Application of the newly derived formulas shows a dramatic improvement of the computation time for evaluating the overall impedance-matrix elements for the symmetric and asymmetric gaps while retaining the accuracy.

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