

Efficient and accurate full-wave analysis of the open-ended coaxial cable

G. Panariello, L. Verolino and G. Vitolo. "Efficient and accurate full-wave analysis of the open-ended coaxial cable." 2001 Transactions on Microwave Theory and Techniques 49.7 (Jul. 2001 [T-MTT]): 1304-1309.

An efficient implementation of the full-wave open-ended-coaxial-line analysis is presented in this paper. The involved integrals are approached in such a way that the admittance is accurately calculated. Moreover, the calculus time is noticeably reduced. This technique is particularly useful when repeated analysis are performed as occurs, e.g., when measuring permittivity.

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