

Abstracts

Accuracy of Equations for Coupled Slab Lines (Letters)

P.W. Van der Walt. "Accuracy of Equations for Coupled Slab Lines (Letters)." 1987 Transactions on Microwave Theory and Techniques 35.11 (Nov. 1987 [T-MTT]): 1075-1076.

The determination of the characteristic impedance of coupled slab lines has been a subject of investigation for many years. Following on Frankel's pioneering work, Chisholm obtained an accurate analytical solution for the odd-mode impedance of a pair of coupled slab lines. In 1980, Levy presented Chisholm's equations, together with those due to McDermott for the even-mode impedance, in a general form suitable for calculation. He also confirmed the accuracy of the equations with an efficient numerical procedure.

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