

Abstracts

Normalized Impedance Graphs for Exponential Transmission Lines (Short Papers)

R.P. Arnold, W.L. Bailey and R.L. Vaitkus. "Normalized Impedance Graphs for Exponential Transmission Lines (Short Papers)." 1974 Transactions on Microwave Theory and Techniques 22.11 (Nov. 1974 [T-MTT]): 964-965.

Sign errors in an existing closed form solution for the reflection coefficient along an exponentially tapered transmission line have been corrected and the solution has been modified by the use of electrical line length. This allows useful graphs for the input impedance of the tapered line to be computed which are normalized with respect to frequency and system impedance. The graphs clearly demonstrate both the broad-band and narrow-band properties of the tapered line.

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