

Abstracts

A Logarithmic Transmission Line Chart (Correspondence)

P.I. Somlo. "A Logarithmic Transmission Line Chart (Correspondence)." 1960 Transactions on Microwave Theory and Techniques 8.4 (Jul. 1960 [T-MTT]): 463-463.

In his article above, Hudson raises the question: "What length of line of what impedance will match a given impedance?" He states, "Conventional charts do not answer this question explicitly." This problem can be solved on the "conventional" Smith Chart explicitly without trial-and-error, by the following method. If A and B are two quite general impedances, the matched condition requires that A be transformed into B^* , the complex conjugate of B.

 [Return to main document.](#)