

Abstracts

Wave Propagation on Nonuniform Transmission Lines (Short Papers)

A. Bergquist. "Wave Propagation on Nonuniform Transmission Lines (Short Papers)." 1972 *Transactions on Microwave Theory and Techniques* 20.8 (Aug. 1972 [T-MTT]): 557-558.

The problem of wave propagation on nonuniform transmission lines is studied. Equations are presented not only for the reflection coefficient but for the transmission and admittance properties as well. They are valid under the assumption that only one mode of propagation exists on the line and that the properties do not change so rapidly that the fundamental transmission line equations are no longer applicable. Since all equations are derived for arbitrary load conditions, an extremely versatile solution of the problem has been obtained.

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