

Abstracts

The Theory of the Point-Matching Method for Perfectly Conducting Waveguides and Transmission Lines

R.H.T. Bates. "The Theory of the Point-Matching Method for Perfectly Conducting Waveguides and Transmission Lines." 1969 Transactions on Microwave Theory and Techniques 17.6 (Jun. 1969 [T-MTT]): 294-301.

An improved theory of the point-matching method for perfectly conducting waveguides is presented. Some simplified formulas are developed. A point-matching technique is developed for computing the $Z_{\text{sub 0}}$ of TEM lines, and established for waveguides and transmission lines with multiple connected and multiple valued cross sections. Sample computations are presented.

[Return to main document.](#)