

Abstracts

On the Solution of the Circularly Cylindrical Coordinate Wave Equation in Homogeneous Isotropic Regions Containing the Coordinate Axis (Letters)

D.M. Bolle. "On the Solution of the Circularly Cylindrical Coordinate Wave Equation in Homogeneous Isotropic Regions Containing the Coordinate Axis (Letters)." 1973 Transactions on Microwave Theory and Techniques 21.3 (Mar. 1973 [T-MTT]): 158-159.

In a number of well-known texts, misleading statements are made concerning the reason for eliminating the Neumann or Bessel function of the second kind from the solution of the wave equations in circular cylindrical coordinates for a homogeneous region containing the coordinate axis. This letter discusses the conditions that are required to arrive at a unique solution.

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