Abstracts

Waveguides of Arbitrary Cross Section by Solution of a Nonlinear Integral Eigenvalue Equation (1972 [MWSYM])

B.E. Spielman and R.F. Harrington. "Waveguides of Arbitrary Cross Section by Solution of a Nonlinear Integral Eigenvalue Equation (1972 [MWSYM])." 1972 G-MTT International Microwave Symposium Digest of Technical Papers 72.1 (1972 [MWSYM]): 119-120.

An accurate solution to the problem of wave propagation in conducting waveguides of arbitrary cross section is developed. The solution is available in the form of two digital computer programs, which yield computed values of both cutoff wave numbers and field distributions. Sample calculations are presented for the ridge waveguide.

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