

Abstracts

A Numerical Method for Calibrating Microwave Cavities for Plasma Diagnostics---Part I

M.E. Fein, L.A. Schlie, J.T. Verheyen and B.E. Cherrington. "A Numerical Method for Calibrating Microwave Cavities for Plasma Diagnostics---Part I." 1972 Transactions on Microwave Theory and Techniques 20.1 (Jan. 1972 [T-MTT] (Special Issue on Automated Microwave Measurements)): 22-30.

Computer programs are described which generate calibration curves for TE_{0np} and TM_{0n0} cylindrical microwave cavities used in plasma diagnostics. The programs provide data for electron densities well above those at which perturbation theory fails, and can be used for any specified variation of electron density with radius.

[Return to main document.](#)

Click on title for a complete paper.