Session TH2C

Microwave Measurements

Chairman:

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A student paper discusses the theory and operation of electric field imaging, employing a method for the characterization of GaAs MMIC channel temperatures. A novel moisture measurement procedure and set-up will be presented using microwaves. Another paper describes a characterization technique for planar resonators, by means of Schottky diodes. A high performance electron spin resonance spectrometer operating in the 80–200 GHz band is presented. It uses some novel microwave and quasi-optical techniques realizing the advantages of high resolution and high sensitivity. A vector nonlinear network analyzer, calibrated for narrowband measurements, is presented. Finally, a miniature magnetic field probe for measureing fields in planar circuits is examined.

10:30 a.m.–12:00 p.m., Thursday, May 18, 1995
Room 12A,B,C