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MICROWAVE THEORY AND TECHNIQUES SOCIETY

SPECIAL TRANSACTIONS ISSUE

ON

NUMERICAL METHODS FOR MICROWAVE AND MILLIMETER

WAVE CHARACTERIZATIONS AND DESIGNS

As monolithic circuits, millimeter-wave components and other increasingly complex structures are utilized by the microwave industry, elaborate analytical techniques are required for their characterization and design. During the past several years significant advances have been made in numerical and analytical techniques. When the engineer is faced with new structures and applications, the need arises to consider which technique should be employed, what are its limits of validity, and what modifications are needed, etc.

The IEEE Transactions on Microwave Theory and Techniques is planning to publish a Special Issue on Numerical Methods for Microwave and Millimeter Wave Characterizations and Designs in October 1985. Papers are solicited which describe original work concerned with numerical techniques and methods to extend known and new techniques to solve future, and yet undefined, problems in the following (but not limited to) areas:

- Planar circuits, waveguide models and methods
- Open structures
- Structures with anisotropic media
- Lossy systems
- Spectral domain method
- Transmission line matrix method
- Moment method

Authors are requested to submit five copies of the manuscript by February 1, 1985 to Dr. James W. Mink.

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