

Abstracts

Challenge to 3-D Discontinuous Dielectric Waveguide Circuit Analysis

M. Tsuji and H. Shigesawa. "Challenge to 3-D Discontinuous Dielectric Waveguide Circuit Analysis." 1988 MTT-S International Microwave Symposium Digest 88.2 (1988 Vol. II [MWSYM]): 635-638.

An accurate theoretical approach for discontinuity problems in dielectric 3-D (rectangular) waveguides of open type is presented. This approach takes account of the behavior of both surface wave modes and continuous spectral waves, and is successfully applied to design image-guide grating filters. Experiments proves the effectiveness of our approach.

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