

Abstracts

A S/V potential method for Maxwell's equations near corners using nodal elements

W.E. Boyse and K.D. Paulsen. "A S/V potential method for Maxwell's equations near corners using nodal elements." 1997 MTT-S International Microwave Symposium Digest 3. (1997 Vol. III [MWSYM]): 1547-1550.

A new method is presented for obtaining accurate solutions to time harmonic Maxwell's equations when sharp corners are present. It uses a new formulation of the impedance boundary condition which includes the scalar potential in such a way that boundary conditions are satisfied exactly.

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