

# Abstracts

## Edge-Element Time-Domain Method for Solving Maxwell's Equations

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*C.H. Thng and R.C. Booton. "Edge-Element Time-Domain Method for Solving Maxwell's Equations." 1994 MTT-S International Microwave Symposium Digest 94.2 (1994 Vol. II [MWSYM]): 693-696.*

An edge-element time-domain (ee-td) method for solving Maxwell's equations is developed. Marching equations for the rectangular cells and triangular cylinders are derived. When used in conjunction with the fd-td method, the staircasing approximation for curved boundaries is eliminated, resulting in less memory needed.

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