

Abstracts

Time-domain (FE/FDTD) technique for solving complex electromagnetic problems

A. Monorchio and R. Mittra. "Time-domain (FE/FDTD) technique for solving complex electromagnetic problems." 1998 *Microwave and Guided Wave Letters* 8.2 (Feb. 1998 [MGWL]): 93-95.

A hybrid finite element finite-difference time-domain (FE/FDTD) technique for solving complex electromagnetic problems is presented. The method combines the computational simplicity of the structured FDTD scheme with the versatility as well as flexibility of the finite-element method (FEM) and enables us to accurately model curved geometries and those with fine features. Numerical results that illustrate the accuracy of the method are included.

[Return to main document.](#)