

XFtdt

XFtdt is [electromagnetic](#) simulation software with a very wide variety of applications in [RF circuit](#), antenna, military/defense, medical EM, [photonics](#), [radar](#), component, metamaterial, and related fields. It originally stood for X (Window System) Finite Difference Time Domain and was first developed in the mid 1990s by Remcom Incorporated ^[1] of State College, PA in the United States. XFtdt includes full wave ([FDTD](#)), [electrostatic](#), thermal-biological, circuit, and 2D Eigen solver and integrates with PO/MEC, and GTD/UTD method solvers.

A full-featured EM simulation solver, XFtdt outpaces other methods in efficiency as the number of unknowns increases. XF includes full-wave, static, bio-thermal, optimization, and circuit solvers to tackle a wide variety of applications, including antenna design and placement, biomedical and SAR, EMI/EMC, microwave devices, radar and scattering, automotive radar, and more. It also works with Remcom's ray-tracing products to provide thorough simulation capability at the low-, middle-, and high-end of the electromagnetic spectrum.

See also

- [Computational electromagnetics](#)