

Cfdtd



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著者:Yu, Wenhua/ Mittra, Raj

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A powerful, full three-dimensional Maxwell's equations solver that serves as a fast and accurate tool for modelling a wide variety of antenna and arrays, waveguides, cavities and microwave circuits, as well as a useful resource for radar cross section analysis.

This cutting-edge CFDTD software package combines visual languages and advanced techniques in computational electromagnetics to simulate the behaviours of complex microwave systems. Designed to handle 220 x 220 x 220 nodes, the software is well-equipped for large-size and high-frequency problems. The CD-ROM features a friendly graphical user interface, conformal techniques, graphical object input, power data-post module and interface to several popular mesh generation packages such as AutoCad, GID, FEMAP and PATRAN. The accompanying user's guide offers clear instruction on the software and describes numerous useful techniques in computational electromagnetics, such as mesh generation, absorbing boundary conditions and software development methods.

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目录:

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