

1. Record Nr.	UNINA9910816102703321
Autore	Yu Wenhua
Titolo	Advanced FDTD methods : parallelization, acceleration, and engineering applications / / Wenhua Yu [and others]
Pubbl/distr/stampa	Boston : , : Artech House, , ©2011 [Piscataway, New Jersey] : , : IEEE Xplore, , [2011]
ISBN	1-60807-177-4
Descrizione fisica	1 online resource (266 p.)
Collana	Artech House electromagnetics series
Altri autori (Persone)	YuWenhua
Disciplina	621.3
Soggetti	Finite differences Time-domain analysis
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Description based upon print version of record.
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Advanced FDTD Methods: Parallelization, Acceleration, and Engineering Applications; Contents; Preface; Chapter 1 Computational Electromagnetic Methods; Chapter 2 FDTD Optimization and Acceleration; Chapter 3 Parallel FDTD Method and Systems; Chapter 4 Electromagnetic Simulation Techniques; Chapter 5 EM Simulation Software Benchmarks; Chapter 6 Large Multiscale Problem Solving; Chapter 7 Summary; Appendix A Antenna Power and Efficiency; Appendix B Active Reflection Coefficient; Appendix C Total Active Reflection Coefficient; Appendix D MEG and ECC Appendix E Lossy Dielectric Simulation TechniqueAppendix F Circular Polarization Decomposition; Appendix G Vector Fitting Technique; Appendix H Partially Symmetric Problem Simulation; Appendix I Time-Domain Reflectometry (TDR); Appendix J S-Parameter Extraction; Appendix K Debye Model Construction; Appendix L Geometry Mapping Technique; Appendix M PC Cluster Optimization; About the Authors; Index
Sommario/riassunto	The finite-difference time-domain (FDTD) method has revolutionized antenna design and electromagnetics engineering. Here's a cutting-edge book that focuses on the performance optimization and engineering applications of FDTD simulation systems. Covering the latest developments in this area, this unique resource offer you expert advice on the FDTD method, hardware platforms, and network systems.

Moreover the book offers guidance in distinguishing between the many different electromagnetics software packages on the market today. You also find a complete chapter dedicated to large multi-scale problem solving. This practical reference is supported with 250 illustrations, 128 equations, and 11 appendixes filled with helpful data processing techniques related to the FDTD method.

2. Record Nr.	UNINA9910713316903321
Autore	Snavelly Deborah S.
Titolo	Estimated public-water supply and industrial-commercial ground-water withdrawals and returns in Nassau County, Long Island, New York, 1973-79 // by Deborah S. Snavelly and James Williams
Pubbl/distr/stampa	Albany, New York : , : U.S. Geological Survey, , 1985
Descrizione fisica	1 online resource (iv, 16 pages) : illustrations, maps
Collana	Water-resources investigations report ; ; 84-4246
Soggetti	Groundwater - New York (State) - Nassau County Industrial water supply - New York (State) - Nassau County Water-supply - New York (State) - Nassau County Groundwater New York (State) Nassau County
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	"Prepared in cooperation with the New York State Department of Environmental Conservation."
Nota di bibliografia	Includes bibliographical references (pages 14-16).