


[DOWNLOAD](#)


Radiation and Scattering from Bodies Coated with Metamaterials by GPU

By Mourad Said

LAP Lambert Academic Publishing Apr 2012, 2012. Taschenbuch. Book Condition: Neu. 220x150x9 mm. This item is printed on demand - Print on Demand Neuware - The electromagnetic scattering from bodies coated with metamaterials by using Finite Difference Frequency-Domain (FDFD). A formulation for the FDFD method is presented. A hybrid technique from FDFD and Particle Swarm Optimization technique (PSO) is used to reconstruct both the shape and the relative permittivity of a homogenous dielectric cylinder. The dielectric constants of materials in solid, liquid, or paste forms are considered. The thesis presents a graphics processing based implementation of FDFD method. The FDFD code has been implemented for CPU calculations and the same code is implemented for the Graphical Processing Unit (GPU) calculations using the Brook+ developed by AMD. The solution obtained by using the GPU based-code showed more than 40 times speed over the CPU based- code. Metamaterial superstrates used for directivity enhancement of cylindrical Dielectric Resonator Antenna (DRA) mounted on both circular and curved ground planes. Mutual coupling reduction between two cylindrical DRAs over infinite size ground plane or mounted on hollow circular cylindrical ground plane by using metamaterials are also investigated. 152 pp. Englisch.



[READ ONLINE](#)
[6.41 MB]

Reviews

Very helpful to all of class of folks. This is certainly for all who statte there had not been a worthy of studying. Once you begin to read the book, it is extremely difficult to leave it before concluding.

-- **Jayda Lehner Jr.**

This publication is definitely worth buying. It is writter in straightforward words rather than difficult to understand. You are going to like how the writer compose this publication.

-- **Dr. Joaquín Klein**

See Also



Index to the Classified Subject Catalogue of the Buffalo Library; The Whole System Being Adopted from the Classification and Subject Index of Mr. Melvil Dewey, with Some Modifications .

Rarebooksclub.com, United States, 2013. Paperback. Book Condition: New. 246 x 189 mm. Language: English . Brand New Book ***** Print on Demand *****.This historic book may have numerous typos and missing text. Purchasers can usually download a free scanned copy of the...



Joey Green's Rainy Day Magic: 1258 Fun, Simple Projects to Do with Kids Using Brand-name Products

Fair Winds Press, 2006. Paperback. Book Condition: New. Brand new books and maps available immediately from a reputable and well rated UK bookseller - not sent from the USA; despatched promptly and reliably worldwide by Royal Mail;



Two Treatises: The Pearle of the Gospell, and the Pilgrims Profession to Which Is Added a Glasse for Gentlewomen to Dresse Themselves By. by Thomas Taylor Preacher of Gods Word to the Towne of Reding. (1624-1625)

Proquest, Eebo Editions, United States, 2010. Paperback. Book Condition: New. 246 x 189 mm. Language: English . Brand New Book ***** Print on Demand *****.EARLY HISTORY OF RELIGION. Imagine holding history in your hands. Now you can. Digitally preserved and previously accessible...



Two Treatises: The Pearle of the Gospell, and the Pilgrims Profession to Which Is Added a Glasse for Gentlewomen to Dresse Themselves By. by Thomas Taylor Preacher of Gods Word to the Towne of Reding. (1625)

Proquest, Eebo Editions, United States, 2010. Paperback. Book Condition: New. 246 x 189 mm. Language: English Brand New Book ***** Print on Demand *****.EARLY HISTORY OF RELIGION. Imagine holding history in your hands. Now you can. Digitally preserved and previously accessible only...



Kid Toc: Where Learning from Kids Is Fun!

Createspace, United States, 2012. Paperback. Book Condition: New. Hanne Simone Larsen (illustrator). 254 x 203 mm. Language: English . Brand New Book ***** Print on Demand *****. Where learning to read from kids is fun! - FREE Videos - with kids -...



Slave Girl - Return to Hell, Ordinary British Girls are Being Sold into Sex Slavery; I Escaped, But Now I'm Going Back to Help Free Them. This is My True Story.

John Blake Publishing Ltd, 2013. Paperback. Book Condition: New. Brand new book. DAILY dispatch from our warehouse in Sussex, all international orders sent Airmail. We're happy to offer significant POSTAGE DISCOUNTS for MULTIPLE ITEM orders.