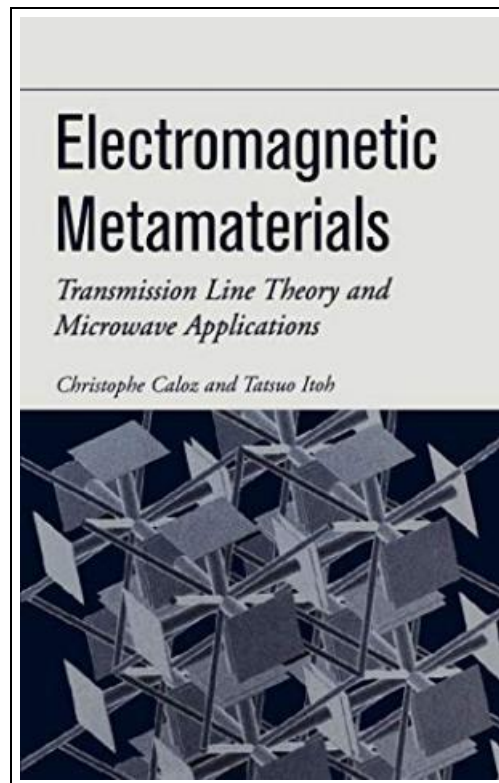


Electromagnetic Metamaterials: Transmission Line Theory and Microwave Applications (Hardback)



Filesize: 2.89 MB

Reviews

This publication will be worth purchasing. It really is written in simple terms instead of difficult to understand. It has been designed in an exceptionally simple way and is particularly only right after I finished reading this ebook in which basically modified me, altered the way I believe.

(Prof. Loyce Runolfsson Jr.)

ELECTROMAGNETIC METAMATERIALS: TRANSMISSION LINE THEORY AND MICROWAVE APPLICATIONS (HARDBACK)



John Wiley & Sons Inc, United States, 2005. Hardback. Condition: New. 1. Auflage. Language: English. Brand new Book. Electromagnetic metamaterials-from fundamental physics to advanced engineering applications This book presents an original generalized transmission line approach associated with non-resonant structures that exhibit larger bandwidths, lower loss, and higher design flexibility. It is based on the novel concept of composite right/left-handed (CRLH) transmission line metamaterials (MMs), which has led to the development of novel guided-wave, radiated-wave, and refracted-wave devices and structures. The authors introduced this powerful new concept and are therefore able to offer readers deep insight into the fundamental physics needed to fully grasp the technology. Moreover, they provide a host of practical engineering applications. The book begins with an introductory chapter that places resonant type and transmission line metamaterials in historical perspective. The next six chapters give readers a solid foundation in the fundamentals and practical applications: Fundamentals of LH MMs describes the fundamental physics and exotic properties of left-handed metamaterials TL Theory of MMs establishes the foundations of CRLH structures in three progressive steps: ideal transmission line, LC network, and real distributed structure Two-Dimensional MMs develops both a transmission matrix method and a transmission line method to address the problem of finite-size 2D metamaterials excited by arbitrary sources Guided-Wave Applications and Radiated-Wave Applications present a number of groundbreaking applications developed by the authors The Future of MMs sets forth an expert view on future challenges and prospects This engineering approach to metamaterials paves the way for a new generation of microwave and photonic devices and structures. It is recommended for electrical engineers, as well as physicists and optical engineers, with an interest in practical negative refractive index structures and materials.



[Read Electromagnetic Metamaterials: Transmission Line Theory and Microwave Applications \(Hardback\) Online](#)



[Download PDF Electromagnetic Metamaterials: Transmission Line Theory and Microwave Applications \(Hardback\)](#)

Other PDFs



Modern Portfolio Theory: Foundations, Analysis, and New Developments + Website (Hardback)

John Wiley & Sons Inc, United States, 2013. Hardback. Condition: New. 1. Auflage. Language: English. Brand new Book. A through guide covering Modern Portfolio Theory as well as the recent developments surrounding it Modern portfolio...

[Save](#) [Book](#)

»



Bayesian Biostatistics (Hardback)

John Wiley & Sons Inc, United States, 2012. Hardback. Condition: New. 1. Auflage. Language: English. Brand new Book. The growth of biostatistics has been phenomenal in recent years and has been marked by considerable technical...

[Save](#) [Book](#)

»



Get into UK Medical School For Dummies (Paperback)

John Wiley & Sons Inc, United States, 2012. Paperback. Condition: New. 1. Auflage. Language: English. Brand new Book. Get the book and get into medical school. Sound simple? Well, it isn't. But Get into UK...

[Save](#) [Book](#)

»



Fundamentals of Fire Phenomena (Hardback)

John Wiley & Sons Inc, United States, 2006. Hardback. Condition: New. 1. Auflage. Language: English. Brand new Book. Understanding fire dynamics and combustion is essential in fire safety engineering and in fire science curricula. Engineers...

[Save](#) [Book](#)

»



Across the Line: A Ganix Johns Adventure (Hardback)

Byways, United States, 2015. Hardback. Condition: New. Library ed. Language: English. Brand new Book. Ewan, Zane, and Ganix--three half-brothers take sibling rivalry to new lengths as they race each other across their homeland. Magic isn't...

[Save](#) [Book](#)

»

**David: The Divided Heart (Hardback)**

Yale University Press, United States, 2014. Hardback. Condition: New. Language: English. Brand new Book. A reexamination of the biblical David, legendary warrior, poet, and king, by one of America's most respected rabbis Of all the

[Read](#) [eBook](#)

»

**Adolescent Worlds: Drug Use and Athletic Activity (Hardback)**

ABC-CLIO, United States, 1990. Hardback. Condition: New. Language: English. Brand new Book. In an important new contribution to the sociological literature, M.F. Stuck explores both the place of sport in adolescent society and, more specifically,

[Read](#) [eBook](#)

»

**Introductory Digital Image Processing: A Remote Sensing Perspective (Hardback)**

Pearson Education (US), United States, 2015. Hardback. Condition: New. 4th edition. Language: English. Brand new Book. For junior/graduate-level courses in Remote Sensing in Geography, Geology, Forestry, and Biology. Introductory Digital Image Processing: A Remote Sensing

[Read](#) [eBook](#)

»

**Nightmares! (Hardback)**

Delacorte Press, United States, 2014. Hardback. Condition: New. Karl Kwasny (illustrator). Language: English. Brand new Book. "Coraline meets Monsters, Inc. in this delightfully entertaining offering from actor [Jason] Segel and co-author [Kirsten] Miller."-- Publishers Weekly The

[Read](#) [eBook](#)

»

**Samuel and His God (Hardback)**

University of South Carolina Press, United States, 2010. Hardback. Condition: New. Language: English. Brand new Book. Samuel and His God explores the relationship among a prophet, his deity, and their people in 1 Samuel. Marti

[Read](#) [eBook](#)

»