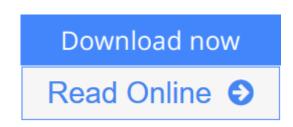


# Metamaterials: Theory, Design, and Applications

From Brand: Springer



Metamaterials: Theory, Design, and Applications From Brand: Springer

Metamaterials:Theory, Design, and Applications goes beyond left-handed materials (LHM) or negative index materials (NIM) and focuses on recent research activity. Included here is an introduction to optical transformation theory, revealing invisible cloaks, EM concentrators, beam splitters, and newtype antennas, a presentation of general theory on artificial metamaterials composed of periodic structures, coverage of a new rapid design method for inhomogeneous metamaterials, which makes it easier to design a cloak, and new developments including but not limited to experimental verification of invisible cloaks, FDTD simulations of invisible cloaks, the microwave and RF applications of metamaterials, sub-wavelength imaging using anisotropic metamaterials, dynamical metamaterial systems, photonic metamaterials, and magnetic plasmon effects of metamaterials.

**<u>Download</u>** Metamaterials: Theory, Design, and Applications ...pdf

**Read Online** Metamaterials: Theory, Design, and Applications ...pdf

### Metamaterials: Theory, Design, and Applications

From Brand: Springer

#### Metamaterials: Theory, Design, and Applications From Brand: Springer

Metamaterials:Theory, Design, and Applications goes beyond left-handed materials (LHM) or negative index materials (NIM) and focuses on recent research activity. Included here is an introduction to optical transformation theory, revealing invisible cloaks, EM concentrators, beam splitters, and new-type antennas, a presentation of general theory on artificial metamaterials composed of periodic structures, coverage of a new rapid design method for inhomogeneous metamaterials, which makes it easier to design a cloak, and new developments including but not limited to experimental verification of invisible cloaks, FDTD simulations of invisible cloaks, the microwave and RF applications of metamaterials, sub-wavelength imaging using anisotropic metamaterials, dynamical metamaterial systems, photonic metamaterials, and magnetic plasmon effects of metamaterials.

#### Metamaterials: Theory, Design, and Applications From Brand: Springer Bibliography

- Sales Rank: #901743 in Books
- Brand: Brand: Springer
- Published on: 2009-11-16
- Original language: English
- Number of items: 1
- Dimensions: 9.21" h x .88" w x 6.14" l, 1.59 pounds
- Binding: Hardcover
- 367 pages

**Download** Metamaterials: Theory, Design, and Applications ...pdf

**<u>Read Online Metamaterials: Theory, Design, and Applications ...pdf</u>** 

## Download and Read Free Online Metamaterials: Theory, Design, and Applications From Brand: Springer

#### **Editorial Review**

#### From the Back Cover

*Metamaterials: Theory, Design and Applications* focuses on the most recent research activity in metamaterials, taking a reader beyond previously covered areas like left-handed materials (LHM) and negative index materials (LIM). Some new developments covered in the book include a rapid design method for inhomogeneous metamaterials, microwave and RF applications of metamaterials and dynamic metamaterial systems. Editors Tie Jun Cui, David R. Smith and Ruopeng Liu bring together the leading international minds focused on metamaterials to provide an all-encompassing look at a rapidly-developing field. This book stands alone as a must-read for any engineer or researcher working with metamaterials.

Drawing on their years of experience in the field, editors Tie Jun Cui, David R. Smith and Ruopeng Liu present a breadth of research in metamaterials, covering areas like:

- Optical transformation theory, including invisible cloaks, concentrators, beam splitters and antennas.
- Photonic metamaterials and the magnetic Plasmon effect.
- Experimental verification techniques for invisible cloaks.

#### **Users Review**

#### From reader reviews:

#### Bertha Costa:

Nowadays reading books become more than want or need but also become a life style. This reading addiction give you lot of advantages. The benefits you got of course the knowledge your information inside the book this improve your knowledge and information. The information you get based on what kind of guide you read, if you want send more knowledge just go with training books but if you want sense happy read one having theme for entertaining such as comic or novel. Often the Metamaterials: Theory, Design, and Applications is kind of guide which is giving the reader unpredictable experience.

#### **Christopher Watson:**

Precisely why? Because this Metamaterials: Theory, Design, and Applications is an unordinary book that the inside of the e-book waiting for you to snap the item but latter it will distress you with the secret that inside. Reading this book alongside it was fantastic author who have write the book in such awesome way makes the content interior easier to understand, entertaining way but still convey the meaning fully. So , it is good for you because of not hesitating having this nowadays or you going to regret it. This amazing book will give you a lot of positive aspects than the other book get such as help improving your ability and your critical thinking approach. So , still want to hold off having that book? If I were being you I will go to the reserve

store hurriedly.

#### Joshua Stamper:

Don't be worry if you are afraid that this book will certainly filled the space in your house, you can have it in e-book approach, more simple and reachable. This kind of Metamaterials: Theory, Design, and Applications can give you a lot of close friends because by you taking a look at this one book you have point that they don't and make you more like an interesting person. This book can be one of one step for you to get success. This e-book offer you information that might be your friend doesn't learn, by knowing more than additional make you to be great persons. So , why hesitate? Let's have Metamaterials: Theory, Design, and Applications.

#### Joseph Lafond:

What is your hobby? Have you heard that question when you got scholars? We believe that that query was given by teacher to their students. Many kinds of hobby, All people has different hobby. And also you know that little person such as reading or as studying become their hobby. You must know that reading is very important along with book as to be the matter. Book is important thing to incorporate you knowledge, except your personal teacher or lecturer. You see good news or update about something by book. A substantial number of sorts of books that can you take to be your object. One of them is Metamaterials: Theory, Design, and Applications.

### Download and Read Online Metamaterials: Theory, Design, and Applications From Brand: Springer #GK2W4I7XTAF

# **Read Metamaterials: Theory, Design, and Applications From Brand: Springer for online ebook**

Metamaterials: Theory, Design, and Applications From Brand: Springer Free PDF d0wnl0ad, audio books, books to read, good books to read, cheap books, good books, online books, books online, book reviews epub, read books online, books to read online, online library, greatbooks to read, PDF best books to read, top books to read Metamaterials: Theory, Design, and Applications From Brand: Springer books to read online.

#### **Online Metamaterials: Theory, Design, and Applications From Brand: Springer ebook PDF download**

Metamaterials: Theory, Design, and Applications From Brand: Springer Doc

Metamaterials: Theory, Design, and Applications From Brand: Springer Mobipocket

Metamaterials: Theory, Design, and Applications From Brand: Springer EPub

GK2W4I7XTAF: Metamaterials: Theory, Design, and Applications From Brand: Springer