



Acoustic Metamaterials and Phononic Crystals (Springer Series in Solid-State Sciences)

From Springer



Acoustic Metamaterials and Phononic Crystals (Springer Series in Solid-State Sciences) From Springer

This comprehensive book presents all aspects of acoustic metamaterials and phononic crystals. The emphasis is on acoustic wave propagation phenomena at interfaces such as refraction, especially unusual refractive properties and negative refraction. A thorough discussion of the mechanisms leading to such refractive phenomena includes local resonances in metamaterials and scattering in phononic crystals.



Acoustic Metamaterials and Phononic Crystals (Springer Series in Solid-State Sciences)

From Springer

Acoustic Metamaterials and Phononic Crystals (Springer Series in Solid-State Sciences) From Springer

This comprehensive book presents all aspects of acoustic metamaterials and phononic crystals. The emphasis is on acoustic wave propagation phenomena at interfaces such as refraction, especially unusual refractive properties and negative refraction. A thorough discussion of the mechanisms leading to such refractive phenomena includes local resonances in metamaterials and scattering in phononic crystals.

Acoustic Metamaterials and Phononic Crystals (Springer Series in Solid-State Sciences) From Springer Bibliography

Sales Rank: #3259121 in Books
Published on: 2013-01-13
Original language: English

• Number of items: 1

• Dimensions: 9.10" h x .90" w x 6.30" l, 1.45 pounds

• Binding: Hardcover

• 378 pages

▶ Download Acoustic Metamaterials and Phononic Crystals (Spri ...pdf

Read Online Acoustic Metamaterials and Phononic Crystals (Sp ...pdf

Download and Read Free Online Acoustic Metamaterials and Phononic Crystals (Springer Series in Solid-State Sciences) From Springer

Editorial Review

From the Back Cover

This comprehensive book presents all aspects of acoustic metamaterials and phononic crystals. The emphasis is on acoustic wave propagation phenomena at interfaces such as refraction, especially unusual refractive properties and negative refraction. A thorough discussion of the mechanisms leading to such refractive phenomena includes local resonances in metamaterials and scattering in phononic crystals.

About the Author

ACADEMIC EXPERIENCE: Co-founder and Director, Nano-Biomolecular Engineering Science and Technology (n-BEST) program, University of Arizona, Tucson, AZ Associate Department Head, Dept. of Materials Science and Engr., University of Arizona, Tucson AZ Full professor, Department of Materials Science and Engineering, University of Arizona, Tucson, AZ VISITING APPOINTMENTS: Numerous yearly visiting professorships at the UFR de Physique, Université de Lille Visiting professor, Massachusetts Institute of Technology, Department of Materials Science and Engineering, Cambridge, Massachusetts Invited scientist, Max Planck Institut fuer Metallforschung, Institut fur Werstoffwissenschaften, Stuttgart, Germany OTHER APPOINTMENTS: Member of the Biomedical Engineering Interdisciplinary Graduate Program, University of Arizona Member of the Applied Mathematics Interdisciplinary Graduate Program, University of Arizona, 1994 Member of the BIO5 Institute (The University of Arizona) AWARDS and HONORS: College of Engineering, Award for Excellence at the Student Interface, 2004 MAJOR LEADERSHIP ROLES ACADEMICS Director, School of Sustainable Engineered Systems (SSES) Creation of the n-BEST program and director of NSF/NIRT Leadership in international research and education Leadership in building ties between MSE and others ENTREPRENEURSHIP Co-founder of Prote-ijp Inc. Co-founder of Eustathia

Users Review

From reader reviews:

Douglas Whatley:

The book Acoustic Metamaterials and Phononic Crystals (Springer Series in Solid-State Sciences) will bring you to definitely the new experience of reading a new book. The author style to describe the idea is very unique. In the event you try to find new book to see, this book very suited to you. The book Acoustic Metamaterials and Phononic Crystals (Springer Series in Solid-State Sciences) is much recommended to you to see. You can also get the e-book from the official web site, so you can quicker to read the book.

Sadie McBride:

The e-book with title Acoustic Metamaterials and Phononic Crystals (Springer Series in Solid-State Sciences) contains a lot of information that you can discover it. You can get a lot of profit after read this book. This particular book exist new understanding the information that exist in this guide represented the condition of the world at this point. That is important to yo7u to learn how the improvement of the world.

That book will bring you within new era of the syndication. You can read the e-book on your own smart phone, so you can read it anywhere you want.

Jose Crawford:

Exactly why? Because this Acoustic Metamaterials and Phononic Crystals (Springer Series in Solid-State Sciences) is an unordinary book that the inside of the guide waiting for you to snap the idea but latter it will zap you with the secret the item inside. Reading this book next to it was fantastic author who have write the book in such awesome way makes the content inside of easier to understand, entertaining way but still convey the meaning entirely. So , it is good for you because of not hesitating having this any more or you going to regret it. This unique book will give you a lot of rewards than the other book include such as help improving your skill and your critical thinking way. So , still want to delay having that book? If I ended up you I will go to the book store hurriedly.

Jennifer Fountain:

Are you kind of stressful person, only have 10 as well as 15 minute in your day to upgrading your mind expertise or thinking skill also analytical thinking? Then you are experiencing problem with the book as compared to can satisfy your short space of time to read it because pretty much everything time you only find book that need more time to be go through. Acoustic Metamaterials and Phononic Crystals (Springer Series in Solid-State Sciences) can be your answer mainly because it can be read by you actually who have those short time problems.

Download and Read Online Acoustic Metamaterials and Phononic Crystals (Springer Series in Solid-State Sciences) From Springer #Z8SNUEIXLC5

Read Acoustic Metamaterials and Phononic Crystals (Springer Series in Solid-State Sciences) From Springer for online ebook

Acoustic Metamaterials and Phononic Crystals (Springer Series in Solid-State Sciences) From 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 Acoustic Metamaterials and Phononic Crystals (Springer Series in Solid-State Sciences) From Springer books to read online.

Online Acoustic Metamaterials and Phononic Crystals (Springer Series in Solid-State Sciences) From Springer ebook PDF download

Acoustic Metamaterials and Phononic Crystals (Springer Series in Solid-State Sciences) From Springer Doc

Acoustic Metamaterials and Phononic Crystals (Springer Series in Solid-State Sciences) From Springer Mobipocket

Acoustic Metamaterials and Phononic Crystals (Springer Series in Solid-State Sciences) From Springer EPub