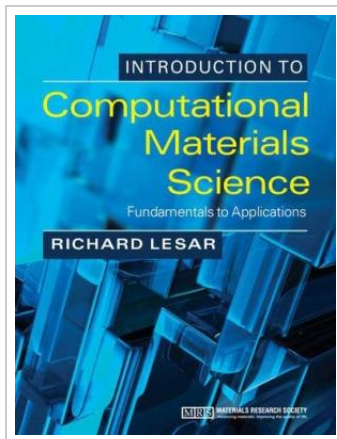




Introduction to Computational Materials Science: Fundamentals to Applications

By Richard LeSar

Cambridge University Press. Hardcover. Condition: New. 427 pages. Dimensions: 9.8in. x 7.3in. x 0.9in. Emphasising essential methods and universal principles, this textbook provides everything students need to understand the basics of simulating materials behavior. All the key topics are covered from electronic structure methods to microstructural evolution, appendices provide crucial background material, and a wealth of practical resources are available online to complete the teaching package. Modeling is examined at a broad range of scales, from the atomic to the mesoscale, providing students with a solid foundation for future study and research. Detailed, accessible explanations of the fundamental equations underpinning materials modelling are presented, including a full chapter summarising essential mathematical background. Extensive appendices, including essential background on classical and quantum mechanics, electrostatics, statistical thermodynamics and linear elasticity, provide the background necessary to fully engage with the fundamentals of computational modelling. Exercises, worked examples, computer codes and discussions of practical implementations methods are all provided online giving students the hands-on experience they need. This item ships from multiple locations. Your book may arrive from Roseburg, OR, La Vergne, TN. Hardcover.



READ ONLINE
[2.83 MB]

Reviews

Excellent e-book and useful one. It is written in straightforward phrases rather than confusing. I am just very happy to explain how here is the finest publication I have got read through in my very own lifestyle and might be the greatest book for possibly.

-- **Viva Schuster**

Absolutely essential go through ebook. It is actually really intriguing through looking at time. I realized this ebook from my i and dad advised this publication to understand.

-- **Prof. Demetris Rau III**

Other PDFs



Your Pregnancy for the Father to Be Everything You Need to Know about Pregnancy Childbirth and Getting Ready for Your New Baby by Judith Schuler and Glade B Curtis 2003 Paperback

Book Condition: Brand New. Book Condition: Brand New.



Dog on It! - Everything You Need to Know about Life Is Right There at Your Feet

14 Hands Press, United States, 2013. Paperback. Book Condition: New. 198 x 132 mm. Language: English . Brand New Book ***** Print on Demand *****.Have you ever told a little white lie? Or maybe a bigger one that wasn't even white?...



Growing Up: From Baby to Adult High Beginning Book with Online Access

Cambridge University Press, 2014. UNK. Book Condition: New. New Book. Shipped from US within 10 to 14 business days. Established seller since 2000.



Games with Books : 28 of the Best Childrens Books and How to Use Them to Help Your Child Learn - From Preschool to Third Grade

Book Condition: Brand New. Book Condition: Brand New.



Games with Books : Twenty-Eight of the Best Childrens Books and How to Use Them to Help Your Child Learn - from Preschool to Third Grade

Book Condition: Brand New. Book Condition: Brand New.



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...