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A Catalogue of British Scientific and Technical Books - British Science Guild 1921

Science Units for Grades 9-12 - Randy L. Bell 2005
Tap into the power of technology to support and enhance high school science curricula and motivate your students with this engaging addition to ISTE's NETS-S Curriculum Series. The technology-infused lessons in this volume promote the kind of conceptual understanding and inquiry that drives real-world science. Drawing on extensive experience revolutionizing their own science classrooms, the authors show teachers how to employ computer simulation and visualization tools to promote student learning. Sample topics include cell division, virtual dissection, earthquake modeling, and the Doppler Effect. FEATURES 16 multi-week units keyed to the NETS-S and the National Science Education Standards Interdisciplinary links, teaching tips, lesson extenders, and assessment rubrics for each unit Introductory essays on technology integration, project-based learning, and assessment Also available: Database Magic: Using Databases to Teach Curriculum in Grades 4-12 - ISBN 1564842452 Teachers as Technology Leaders: A Guide to ISTE Technology Facilitation and Technology Leadership Accreditation - ISBN 1564842266
The Bookseller and the Stationery Trades' Journal - 1897
Official organ of the book trade of the United Kingdom.
Physics for Scientists and Engineers, Volume 2, Technology Update - Raymond A. Serway 2015-01-01
Achieve success in your physics course by making the most of what PHYSICS FOR SCIENTISTS AND ENGINEERS has to offer. From a host of in-text features to a range of outstanding technology resources, you'll have everything you need to understand the natural forces and principles of physics. Throughout every chapter, the authors have built in a wide range of examples, exercises, and illustrations that will help you understand the laws of physics AND succeed in your course! Important Notice: Media content referenced within the product description or the product text may not be available in the ebook version.
Environmental Enginering Abstracts - Sanida Laboratories. Simulated Environments Information Center 1968

Infrasound Monitoring for Atmospheric Studies - Alexis Le Pichon 2010-01-19
The use of infrasound to monitor the atmosphere has, like infrasound itself, gone largely unheard of through the years. But it has many applications, and it is about time that a book is being devoted to this fascinating subject. Our own involvement with infrasound occurred as graduate students of Prof. William Donn, who had established an infrasound array at the Lamont-Doherty Geological Observatory (now the Lamont-Doherty Earth Observatory) of Columbia University. It was a natural outgrowth of another major activity at Lamont, using seismic waves to explore the Earth’s interior. Both the atmosphere and the solid Earth feature velocity (seismic or acoustic) gradients in the vertical which act to refract the respective waves. The refraction in turn allows one to

calculate the respective background structure in these mediums, indirectly exploring locations that are hard to observe otherwise. Monitoring these signals also allows one to discover various phenomena, both natural and man-made (some of which have military applications).

Future Access Enablers for Ubiquitous and Intelligent Infrastructures - Octavian Fratu 2018-07-03

This book constitutes the refereed post-conference proceedings of the Third International Conference on Future Access Enablers for Ubiquitous and Intelligent Infrastructures, FABULOUS 2017, held in Bucharest, Romania, in October 2017. The 37 revised full papers were carefully reviewed and selected from 61 submissions. The main topics deal with future access networks, Internet of Things and smart city/smart environment applications, communications and computing infrastructures, security aspects in communication and data processing, signal processing and multimedia.

Physics for Scientists and Engineers, Volume 1 - Raymond A. Serway 2013-01-01

Achieve success in your physics course by making the most of what PHYSICS FOR SCIENTISTS AND ENGINEERS has to offer. From a host of in-text features to a range of outstanding technology resources, you'll have everything you need to understand the natural forces and principles of physics. Throughout every chapter, the authors have built in a wide range of examples, exercises, and illustrations that will help you understand the laws of physics AND succeed in your course! Important Notice: Media content referenced within the product description or the product text may not be available in the ebook version.

Physics for Scientists and Engineers with Modern Physics - Raymond A. Serway 2013-03-05

Achieve success in your physics course by making the most of what PHYSICS FOR SCIENTISTS AND ENGINEERS WITH MODERN PHYSICS has to offer. From a host of in-text features to a range of outstanding technology resources, you'll have everything you need to understand the natural forces and principles of physics. Throughout every chapter, the authors have built in a wide range of examples, exercises, and illustrations that will help you understand the laws of physics AND succeed in your course! Important Notice: Media content referenced within the product description or the product text may not be available in the ebook version.

Physics for Scientists and Engineers - Paul A. Tipler 2007-05

The Sixth Edition of Physics for Scientists and Engineers offers a completely integrated text and media solution that will help students learn most effectively and will enable professors to customize their classrooms so that they teach most efficiently. The text includes a new strategic problem-solving approach, an integrated Math Tutorial, and new tools to improve conceptual understanding. To simplify the review and use of the text, Physics for Scientists and Engineers is available in these versions: Volume 1 Mechanics/Oscillations and Waves/Thermodynamics (Chapters 1-20, R) 1-4292-0132-0 Volume 2 Electricity and Magnetism/Light (Chapters 21-33) 1-4292-0133-9 Volume 3 Elementary Modern Physics (Chapters 34-41) 1-4292-0134-7 Standard Version (Chapters 1-33, R) 1-4292-0124-X Extended Version (Chapters 1-41, R) 0-7167-8964-7

The Computer Music Tutorial - Curtis Roads 1996-02-27

A comprehensive text and reference that covers all aspects of computer music, including digital audio, synthesis techniques, signal processing, musical input devices, performance software, editing systems, algorithmic composition, MIDI, synthesizer architecture, system interconnection, and psychoacoustics. The Computer Music Tutorial is a comprehensive text and reference that covers all aspects of computer music, including digital audio, synthesis techniques, signal processing, musical input devices, performance software, editing systems, algorithmic composition, MIDI, synthesizer architecture, system interconnection, and psychoacoustics. A special effort has been made to impart an appreciation for the rich history behind current activities in the field. Profusely illustrated and exhaustively referenced and cross-referenced, The Computer Music Tutorial provides a step-by-step introduction to the entire field of computer

music techniques. Written for nontechnical as well as technical readers, it uses hundreds of charts, diagrams, screen images, and photographs as well as clear explanations to present basic concepts and terms. Mathematical notation and program code examples are used only when absolutely necessary. Explanations are not tied to any specific software or hardware. The material in this book was compiled and refined over a period of several years of teaching in classes at Harvard University, Oberlin Conservatory, the University of Naples, IRCAM, Les Ateliers UPIC, and in seminars and workshops in North America, Europe, and Asia.

Physics for Scientists and Engineers, Volume 3 - Paul A. Tipler 2007-08-16

The Sixth Edition offers a completely integrated text and media solution that will enable students to learn more effectively and professors to teach more efficiently. The text includes a new strategic problem-solving approach, an integrated Maths Tutorial, and new tools to improve conceptual understanding.

100 Brain-Friendly Lessons for Unforgettable Teaching and Learning (9-12) - Marcia L. Tate 2019-07-24

Use research- and brain-based teaching to engage students and maximize learning Lessons should be memorable and engaging. When they are, student achievement increases, behavior problems decrease, and teaching and learning are fun! In 100 Brain-Friendly Lessons for Unforgettable Teaching and Learning 9-12, best-selling author and renowned educator and consultant Marcia Tate takes her bestselling Worksheets Don't Grow Dendrites one step further by providing teachers with ready-to-use lesson plans that take advantage of the way that students really learn. Readers will find 100 cross-curricular sample lessons from each of the eight major content areas: Earth Science, Life Science, Physical Science, English, Finance, Algebra, Geometry, Social Studies Plans designed around the most frequently taught objectives found in national and international curricula. Lessons educators can immediately replicate in their own classrooms or use to develop their own. 20 brain-compatible, research-based instructional strategies that work for all learners. Five questions that high school teachers should ask and answer when planning brain-compatible lessons and an in-depth explanation of each of the questions. Guidance on building relationships with students that enable them to learn at optimal levels. It is a wonderful time to be a high school teacher! This hands-on resource will show you how to use what we know about educational neuroscience to transform your classroom into a place where success if accessible for all.

College Physics: Reasoning and Relationships - Nicholas Giordano 2012-07-27

COLLEGE PHYSICS: REASONING AND RELATIONSHIPS motivates student understanding by emphasizing the relationship between major physics principles, and how to apply the reasoning of physics to real-world examples. Such examples come naturally from the life sciences, and this text ensures that students develop a strong understanding of how the concepts relate to each other and to the real world. COLLEGE PHYSICS: REASONING AND RELATIONSHIPS motivates student learning with its use of these original applications drawn from the life sciences and familiar everyday scenarios, and prepares students for the rigors of the course with a consistent five-step problem-solving approach. Available with this Second Edition, the new Enhanced WebAssign program features ALL the quantitative end-of-chapter problems and a rich collection of Reasoning and Relationships tutorials, personally adapted for WebAssign by Nick Giordano. This provides exceptional continuity for your students whether they choose to study with the printed text or by completing online homework. Important Notice: Media content referenced within the product description or the product text may not be available in the ebook version.

Publisher and Bookseller - 1897

Vols. for 1871-76, 1913-14 include an extra number, The Christmas bookseller, separately paged and not included in the consecutive numbering of the regular series.

Vibrations and Waves - A.P. French 2017-12-21

The M.I.T. Introductory Physics Series is the result of a program of careful study, planning, and development that began in 1960. The Education Research Center at the Massachusetts Institute of Technology (formerly

the Science Teaching Center) was established to study the process of instruction, aids thereto, and the learning process itself, with special reference to science teaching at the university level. Generous support from a number of foundations provided the means for assembling and maintaining an experienced staff to co-operate with members of the Institute's Physics Department in the examination, improvement, and development of physics curriculum materials for students planning careers in the sciences. After careful analysis of objectives and the problems involved, preliminary versions of textbooks were prepared, tested through classroom use at M.I.T. and other institutions, re-evaluated, rewritten, and tried again. Only then were the final manuscripts undertaken.
Educational Times - 1906

Foundations of Perception - George Mather 2006
Foundations of Perception provides a comprehensive general introduction to perception. All the major and minor senses are covered, not only examining them from a perceptual perspective but also taking into account their biological and physical context. In addition to covering all material essential to understanding the functioning of the senses, each chapter also includes a 'Tutorials' section. This provides an opportunity for more advanced students to explore supplementary information on recent or controversial developments in subjects such as: The physics and biology of audition ; Shape and object perception ; Individual differences in perception.
Clinical Image-Based Procedures, Distributed and Collaborative Learning, Artificial Intelligence for Combating COVID-19 and Secure and Privacy-Preserving Machine Learning - Cristina Oyarzun Laura 2021
This book constitutes the refereed proceedings of the 10th International Workshop on Clinical Image-Based Procedures, CLIP 2021, Second MICCAI Workshop on Distributed and Collaborative Learning, DCL 2021, First MICCAI Workshop, LL-COVID19, First Secure and Privacy-Preserving Machine Learning for Medical Imaging Workshop and Tutorial, PPML 2021, held in conjunction with MICCAI 2021, in October 2021. The workshops were planned to take place in Strasbourg, France, but were held virtually due to the COVID-19 pandemic. CLIP 2021 accepted 9 papers from the 13 submissions received. It focuses on holistic patient models for personalized healthcare with the goal to bring basic research methods closer to the clinical practice. For DCL 2021, 4 papers from 7 submissions were accepted for publication. They deal with machine learning applied to problems where data cannot be stored in centralized databases and information privacy is a priority. LL-COVID19 2021 accepted 2 papers out of 3 submissions dealing with the use of AI models in clinical practice. And for PPML 2021, 2 papers were accepted from a total of 6 submissions, exploring the use of privacy techniques in the medical imaging community.
Surface Wave Methods for Near-Surface Site Characterization - Sebastiano Foti 2014-08-21
Develop a Greater Understanding of How and Why Surface Wave Testing Works Using examples and case studies directly drawn from the authors' experience, Surface Wave Methods for Near-Surface Site Characterization addresses both the experimental and theoretical aspects of surface wave propagation in both forward and inverse modeling. This book accents the key facets associated with surface wave testing for near-surface site characterization. It clearly outlines the basic principles, the theoretical framework and the practical implementation of surface wave analysis. In addition, it also describes in detail the equipment and measuring devices, acquisition techniques, signal processing, forward and inverse modeling theories, and testing protocols that form the basis of modern surface wave techniques. Review Examples of Typical Applications for This Geophysical Technique Divided into eight chapters, the book explains surface wave testing principles from data measurement to interpretation. It effectively integrates several examples and case studies illustrating how different ground conditions and geological settings may influence the interpretation of data measurements. The authors accurately describe each phase of testing in addition to the guidelines for correctly performing and interpreting results. They present variants of the test within a consistent framework to facilitate comparisons, and include

an in-depth discussion of the uncertainties arising at each stage of surface wave testing. Provides a comprehensive and in-depth treatment of all the steps involved in surface wave testing Discusses surface wave methods and their applications in various geotechnical conditions and geological settings Explains how surface wave measurements can be used to estimate both stiffness and dissipative properties of the ground Addresses the issue of uncertainty, which is often an overlooked problem in surface wave testing Includes examples with comparative analysis using different processing techniques and inversion algorithms Outlines advanced applications of surface wave testing such as joint inversion, underwater investigation, and Love wave analysis Written for geotechnical engineers, engineering seismologists, geophysicists, and researchers, Surface Wave Methods for Near-Surface Site Characterization offers practical guidance, and presents a thorough understanding of the basic concepts.

A Broadcast Engineering Tutorial for Non-Engineers - Skip Pizzi 2014-04-24

A Broadcast Engineering Tutorial for Non-Engineers is the leading publication on the basics of broadcast technology. Whether you are new to the industry or do not have an engineering background, this book will give you a comprehensive primer of television, radio, and digital media relating to broadcast—it is your guide to understanding the technical world of radio and television broadcast engineering. It covers all the important topics such as DTV, IBOC, HD, standards, video servers, editing, electronic newsrooms, and more. This long-awaited fourth edition includes new standards and identifies and explains the emerging digital technologies that are revolutionizing the industry, including: HDTV—and "UltraHD" IP-based production and distribution and Internet delivery (including "over-the-top" TV) Connected/Smart TV, Mobile TV Second Screens and Social TV "Hybrid" broadcasting (over-the-air and online convergence) Podcasting and Mobile Apps Connected Cars

Ultrasound Fundamentals - Jinlei Li 2021-03-03

Written by experts in the field, this concise and evidence-based ultrasound text includes key topics ranging from the head and neck to the upper and lower extremity, covering all the clinically relevant sonoanatomy. This 33-chapter book emphasizes the practical use of ultrasound for the diagnosis and treatment of a multitude of conditions in various specialty areas such as airway management, cardiovascular disease assessment, pulmonary status evaluation, orthopedics, gynecology and pediatrics. The optimal techniques and the step-by-step interpretation of normal and pathologic sonoanatomy are discussed in detail. This text can be used as a starting point for the study of ultrasound guided diagnosis and treatment, a refresher manual for sonoanatomy on major organ systems, or a last-minute guide before a bedside procedure. There is a great breadth of material that is covered in a comprehensive manner, making it a great resource for board review and exam preparation for various medical, surgical and allied specialties. Unique and pragmatic, Ultrasound Fundamentals is a back to basics manual on normal and pathologic sonoanatomy of head and neck, upper and lower extremity, chest, abdomen and other major organ systems

The Latest and Best of TESS - 1991

Plasma Physics - Andreas Dinklage 2005-06-09

Plasma Physics: Confinement, Transport and Collective Effects provides an overview of modern plasma research with special focus on confinement and related issues. Beginning with a broad introduction, the book leads graduate students and researchers – also those from related fields - to an understanding of the state-of-the-art in modern plasma physics. Furthermore, it presents a methodological cross section ranging from plasma applications and plasma diagnostics to numerical simulations, the latter providing an increasingly important link between theory and experiment. Effective references guide the reader from introductory texts through to contemporary research. Some related exercises in computational plasma physics are supplied on a special web site

Creating Games with Unity and Maya - Adam Watkins 2012-10-12

Unity brings you ever closer to the "author once, deploy anywhere" dream. With its multiplatform capabilities, you can target desktop, web, mobile

devices, and consoles using a single development engine. Little wonder that Unity has quickly become the #1 game engine out there. Mastering Unity is absolutely essential in an increasingly competitive games market where agility is expected, yet until now practical tutorials were nearly impossible to find. Creating Games with Unity and Maya gives you with an end-to-end solution for Unity game development with Maya. Written by a twelve-year veteran of the 3D animation and games industry and professor of 3D animation, this book takes you step-by-step through the process of developing an entire game from scratch-including coding, art, production, and deployment. This accessible guide provides a "non-programmer" entry point to the world of game creation. Aspiring developers with little or no coding experience will learn character development in Maya, scripts, GUI interface, and first- and third-person interactions.

Physics for Scientists and Engineers with Modern Physics, Technology Update - Raymond A. Serway 2015-01-01

Achieve success in your physics course by making the most of what PHYSICS FOR SCIENTISTS AND ENGINEERS has to offer. From a host of in-text features to a range of outstanding technology resources, you'll have everything you need to understand the natural forces and principles of physics. Throughout every chapter, the authors have built in a wide range of examples, exercises, and illustrations that will help you understand the laws of physics AND succeed in your course! Important Notice: Media content referenced within the product description or the product text may not be available in the ebook version.

A Broadcast Engineering Tutorial for Non-engineers - Graham Jones 2005

"A Broadcast Engineering Tutorial for Non-Engineers, Third Edition, is your guide to understanding the technical world of radio and television broadcast engineering. - This book provides an introduction to the technologies and equipment that comprise modern broadcasting systems. Written by Graham Jones, of the NAB Science and Technology Department, for those without engineering backgrounds, it will also be useful for engineering trainees and others who are new to the industry. - It serves as a decoder to industry jargon, so you can know what you are talking about - or just sound like you do."--Jacket.

Physics for Scientists and Engineers, Volume 1, Technology Update - Raymond A. Serway 2015-01-01

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Acousto-Optical Laser Systems for the Formation of Television Images - Yu V. Gulyaev 2018-12-07

The book addresses various approaches to television projection imaging on large screens using lasers. Results of theoretical and experimental studies of an acousto-optic projection system operating on the principle of projecting an image of an entire amplitude-modulated television line in a single laser pulse are presented. Characteristic features of image formation and requirements for individual components are discussed. Particular attention is paid to nonlinear distortions of the image signal, which show up most severely at low modulation signal frequencies. The feasibility of improving the process efficiency and image quality using acousto-optic modulators and pulsed lasers is studied.

2006 Physics Education Research Conference - Laura McCullough 2007-03-05

Syracuse, New York, 26–27 July 2006

Phononics - Leonard Dobrzyński 2017-09-14

Phononics: Interface Transmission Tutorial Book Series provides an investigation of modern systems that includes a discrete matrix description. Classical continuous systems relying on the use of differential equations are recalled, showing that they generally have a specific limit on their corresponding modern matrix formulation. A detailed description of the mathematical languages that enables readers to

find the composite system linear transmission properties is provided in the appendix. The physical model is described with exacting detail, and the bibliography is built to cite—in chronological order—all the scientists that have contributed over many years. Each volume is written with the aim of providing an up-to-date and concise summary of the present knowledge of interface transmission science, thus fostering the exchange of ideas among scientists interested in different aspects of interface transmission. The book serves as an introduction to advanced graduate students, researchers, and scientists with little study on the subject, and is also useful to help keep specialists informed on general progress in the field. Offers a unique approach on phononics from the interfacial transmission point-of-view Teaches the modern physics of interface transmission, in particular, phononics through composite systems Authored and edited by world-leading experts on interface transmission

Subject Index of the Modern Works Added to the Library of the British Museum in the Years ... - British Museum 1902

Physics for Scientists and Engineers, Technology Update - Raymond A. Serway 2015-01-01
Achieve success in your physics course by making the most of what PHYSICS FOR SCIENTISTS AND ENGINEERS has to offer. From a host of in-text features to a range of outstanding technology resources, you'll have everything you need to understand the natural forces and principles of physics. Throughout every chapter, the authors have built in a wide range of examples, exercises, and illustrations that will help you understand the laws of physics AND succeed in your course! Important Notice: Media content referenced within the product description or the product text may not be available in the ebook version.

Machine Learning Modeling for IoUT Networks - Ahmad A. Aziz El-Banna 2021-05-29
This book discusses how machine learning and the Internet of Things (IoT) are playing a part in smart control of underwater environments, known as Internet of Underwater Things (IoUT). The authors first present seawater's key physical variables and go on to discuss opportunistic transmission, localization and positioning, machine learning modeling for underwater communication, and ongoing challenges in the field. In addition, the authors present applications of machine learning techniques for opportunistic communication and underwater localization. They also discuss the current challenges of machine learning modeling of underwater communication from two communication engineering and data science perspectives.

Fast Guide to Propellerhead Reason - Debbie Poyser 2006-10-15
This in-depth guide, now in its third edition, takes readers through every separate Reason device. In addition, all the devices and changes introduced with the V3 update are covered, including the new Remote technology and enhanced browser and workflow improvements.

World Scientific Handbook Of Metamaterials And Plasmonics (In 4 Volumes) - Maier Stefan A 2011-06-14
Metamaterials represent a new emerging innovative field of research which has shown rapid acceleration over the last couple of years. In this handbook, we present the richness of the field of metamaterials in its widest sense, describing artificial media with sub-wavelength structure for control over wave propagation in four volumes. Volume 1 focuses on the fundamentals of electromagnetic metamaterials in all their richness, including metasurfaces and hyperbolic metamaterials. Volume 2 widens the picture to include elastic, acoustic, and seismic systems, whereas Volume 3 presents nonlinear and active photonic metamaterials. Finally, Volume 4 includes recent progress in the field of nanoplasmonics, used extensively for the tailoring of the unit cell response of photonic metamaterials. In its totality, we hope that this handbook will be useful for a wide spectrum of readers, from students to active researchers in industry, as well as teachers of advanced courses on wave propagation. Contents: Volume 1: Electromagnetic Metamaterials (Ekaterina Shamonina): PrefaceElectromagnetic Metamaterials: Homogenization and Effective Properties of Mixtures (Ari Sihvola)Effective Medium Theory of Electromagnetic and Quantum Metamaterials (Mário G Silveirinha)Hyperbolic Metamaterials (Igor I Smolyaninov)Circuit and Analytical Modelling of

Extraordinary Transmission Metamaterials (Francisco Medina, Francisco Mesa, Raul Rodríguez-Berral and Carlos Molero)Electromagnetic Metasurfaces: Synthesis, Realizations and Discussions (Karim Achouri and Christophe Caloz)Metasurfaces for General Control of Reflection and Transmission (Sergei Tretyakov, Viktar Asadchy and Ana Díaz-Rubio)Scattering at the Extreme with Metamaterials and Plasmonics (Francesco Monticone and Andrea Alù)All-Dielectric Nanophotonics: Fundamentals, Fabrication, and Applications (Alexander Krasnok, Roman Savelev, Denis Baranov and Pavel Belov)Tunable Metamaterials (Ilya V Shadrivov and Dragomir N Neshev)Spatial Solitonic and Nonlinear Plasmonic Aspects of Metamaterials (Allan D Boardman, Alesandro Alberucci, Gaetano Assanto, Yu G Rapoport, Vladimir V Grimalsky, Vasyl M Ivchenko and Eugen N Tkachenko)Metamaterial Catheter Receivers for Internal Magnetic Resonance Imaging (Richard R A Syms, Ian R Young and Laszlo Solymar)Microwave Sensors Based on Symmetry Properties and Metamaterial Concepts (Jordi Naqui, Ali K Horestani, Christophe Fumeaux and Ferran Martín)Volume 2: Elastic, Acoustic, and Seismic Metamaterials (Richard Craster and Sébastien Guenneau): PrefaceDynamic Homogenization of Acoustic and Elastic Metamaterials and Phononic Crystals (Richard Craster, Tryfon Antonakakis and Sébastien Guenneau)Acoustic Metamaterial (Nicholas Fang, Jun Xu, Navid Nemati, Nicolas Viard and Denis Lafarge)Flat Lens Focusing of Flexural Waves in Thin Plates (Patrick Sebbah and Marc Dubois)Space–Time Cloaking (Martin W McCall and Paul Kinsler)Soda Cans Metamaterial: Homogenization and Beyond (Fabrice Lemoult, Geoffroy Lerosey, Nadège Kaïna and Mathias Fink)New Trends Toward Locally-Resonant Metamaterials at the Mesoscopic Scale (Philippe Roux, Matthieu Rupin, Fabrice Lemoult, Geoffroy Lerosey, Andrea Colombi, Richard Craster, Sébastien Guenneau, William A Kuperman and Earl G Williams)Seismic Metamaterials: Controlling Surface Rayleigh Waves Using Analogies with Electromagnetic Metamaterials (Stéphane Brûlé, Stefan Enoch, Sébastien Guenneau and

IRC-SET 2020 - Huaqun Guo 2021-05-11
This book highlights leading-edge research in multi-disciplinary areas in Physics, Engineering, Medicine, and Health care, from the 6th IRC Conference on Science, Engineering and Technology (IRC-SET 2020) held in July 2020 at Singapore. The papers were shortlisted after extensive rounds of reviews by a panel of esteemed individuals who are pioneers in their domains. The book also contains excerpts of the speeches by eminent personalities who graced the occasion, thereby providing written documentation of the event.

Applied Mechanics Reviews - 1974

Cumulated Index Medicus - 1991

Loudspeaker Modelling and Design - Geoff Hill 2018-09-03
In this book, Geoff Hill demonstrates modern software and hardware being applied to the processes behind loudspeaker design and modelling. Modern computing power has progressed to the point that such analyses are now practical for any interested individual or small company. Loudspeaker Modelling and Design: A Practical Introduction examines the process from initial concept through specifications and theoretical simulations and onto detailed design. It demonstrates the processes of design and specification, by using detailed simulations of a loudspeaker driver; sufficient to give re-assurance that a design is practical and will perform as expected.This book brings together many different strands of modelling from electro-magnetic through to mechanical and acoustic, without getting bogged down in theoretical discussions and arguments. This practice-based book shows the techniques used in designing modern loudspeakers and transducers.