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Principles of Multimessenger Astronomy Edward Elgar Publishing

Electrification is an evolving paradigm shift in the transportation industry toward more efficient, higher performance, safer, smarter, and more reliable vehicles. There is in fact a clear trend to move from internal combustion engines (ICEs) to more integrated electrified powertrains. Providing a detailed overview of this growing area, *Advanced Electric Drive Vehicles* begins with an introduction to the automotive industry, an explanation of the need for electrification, and a presentation of the fundamentals of conventional vehicles and ICEs. It then proceeds to address the major components of electrified vehicles—i.e., power electronic converters, electric machines, electric motor controllers, and energy storage systems. This comprehensive work: Covers more electric vehicles (MEVs), hybrid electric vehicles (HEVs), plug-in hybrid electric vehicles (PHEVs), range-extended electric vehicles (REEVs), and all-electric vehicles (EVs) including battery electric vehicles (BEVs) and fuel cell vehicles (FCVs) Describes the electrification technologies applied to nonpropulsion loads, such as power steering and air-conditioning systems Discusses hybrid battery/ultra-capacitor energy storage systems, as well as 48-V electrification and belt-driven starter generator systems Considers vehicle-to-grid (V2G) interface and electrical infrastructure issues, energy management, and optimization in advanced electric drive vehicles Contains numerous illustrations, practical examples, case studies, and challenging questions and problems throughout to ensure a solid understanding of key concepts and applications *Advanced Electric Drive Vehicles* makes an ideal textbook for senior-level undergraduate or graduate engineering courses and a user-friendly reference for researchers, engineers, managers, and other professionals interested in transportation electrification.

The Evaluation of Complex Infrastructure Projects Springer

Unmanned aerial vehicles (UAV) have already become an affordable and cost-efficient tool to quickly map a targeted area for many emerging applications in the arena of ecological monitoring and biodiversity conservation. Managers, owners, companies, and scientists are using professional drones equipped with high-resolution visible, multispectral, or thermal cameras to assess the state of ecosystems, the effect of disturbances, or the dynamics and changes within biological communities inter alia. We are now at a tipping point on the use of drones for these type of applications over natural areas. UAV missions are increasing but most of them are testing applicability. It is time now to move to frequent revisiting missions, aiding in the retrieval of important biophysical parameters in ecosystems or mapping species distributions. This Special Issue shows UAV applications contributing to a better understanding of biodiversity and ecosystem status, threats, changes, and trends. It documents the enhancement of knowledge in ecological integrity parameters mapping, long-term ecological monitoring based on drones, mapping of alien species spread and distribution, upscaling ecological variables from drone to satellite images: methods and approaches, rapid risk and disturbance assessment using drones, mapping albedo with UAVs, wildlife tracking, bird colony and chimpanzee nest mapping, habitat mapping and monitoring, and a review on drones for conservation in protected areas.

Semiconductor Measurements and Instrumentation SIU Press

As Alan Rosenthal states in the preface to this new edition of his acclaimed resource for filmmakers, *Writing, Directing, and Producing Documentary Films and Videos* is “ a book about storytelling—how to tell great and moving stories about fascinating people, whether they be villains or heroes. ” In response to technological advances and the growth of the documentary hybrid in the past five years, Rosenthal reconsiders how one approaches documentary filmmaking in the twenty-first century. Simply and clearly, he explains how to tackle day-to-day problems, from initial concept through distribution. He demonstrates his ideas throughout the book with examples from key filmmakers ’ work. New aspects of this fourth edition include a vital new chapter titled “Making Your First Film,” and a considerable enlargement of the section for producers, “Staying Alive,” which includes an extensive discussion of financing, marketing, festivals, and distribution. This new edition offers a revised chapter on nonlinear editing, more examples of precise and exacting proposals, and the addition of a complex budget example with explanation of the budgeting process. Discussion of documentary hybrids, with suggestions for mastering changes and challenges, has also been expanded, while the “ Family Films ” chapter includes updated information that addresses rapid expansion in this genre.

Proceedings of First International Conference on Information and Communication Technology for Intelligent Systems: Volume 2 Createspace Independent Publishing Platform

Steers buyers through the the confusion and anxiety of new and used vehicle purchases like no other car-and-truck book on the market. “Dr. Phil,” along with George Iny and the Editors of the Automobile Protection Association, pull no punches.

Neutrophilic Dermatoses Bentleypublishers.com

This book is a collection of select papers presented at the Tenth Structural Engineering Convention 2016 (SEC-2016). It comprises plenary, invited, and contributory papers covering numerous applications from a wide spectrum of areas related to structural engineering. It presents contributions by academics, researchers, and practicing structural engineers addressing analysis and design of concrete and steel structures, computational structural mechanics, new building materials for sustainable construction, mitigation of structures against natural hazards, structural health monitoring, wind and earthquake engineering, vibration control and smart structures, condition assessment and performance evaluation, repair, rehabilitation and retrofit of structures. Also covering advances in construction techniques/ practices, behavior of structures under blast/impact loading, fatigue and fracture, composite materials and structures, and structures for non-conventional energy (wind and solar), it will serve as a valuable resource for researchers, students and practicing engineers alike.

Organizational Theory, Design, and Change CRC Press

This is the story of how Scott T. Hoag, former Team Mustang Customization Manager, marshaled resources within the Ford Motor Company to produce two legendary nameplates, the 2001 Bullitt and 2003/04 Mach 1 Mustangs. This narrative represents the passion, vision, and focus that a long-time enthusiast engineer brought to the table. The end results are two special feature cars that

gained strong followings among the Ford Mustang faithful.

*Lemon-Aid New and Used Cars and Trucks 1990–2015*Dundurn

This volume contains 60 papers presented at ICTIS 2015: International Conference on Information and Communication Technology for Intelligent Systems. The conference was held during 28th and 29th November, 2015, Ahmedabad, India and organized communally by Venus International College of Technology, Association of Computer Machinery, Ahmedabad Chapter and Supported by Computer Society of India Division IV – Communication and Division V – Education and Research. This volume contains papers mainly focused on ICT and its application for Intelligent Computing, Cloud Storage, Data Mining, Image Processing and Software Analysis etc.

*Lemon-Aid New and Used Cars and Trucks 2007–2018*Springer

The Complete Book of Ford Mustang, 4th Edition details the development, technical specifications, and history of America ’ s original pony car, now updated to cover cars through the 2021 model year.

A Marxist History of the World McGraw Hill Professional

Crystal orientation. Crystallographic defects and their observation. Resistivity and carrier-concentration measurements. Lifetime. Mobility, hall, and type measurements. Thickness measurements. Preparation of samples for microscopic examination. Microscopy and photography. The electron microscope and other analytical instruments.

Handbook of Air Conditioning and Refrigeration Pearson Prentice Hall

Lemon-Aid New and Used Cars and Trucks 1990-2015 steers the confused and anxious buyer through the purchase of new and used vehicles unlike any other car-and-truck book on the market. “Dr. Phil,” Canada’s best-known automotive expert for more than 42 years, pulls no punches.

Engineer + Enthusiast = Excitement Springer

This book provides an in depth overview of Neutrophilic Dermatoses, a group of diseases that includes Sweet ’ s syndrome, pyoderma gangrenosum and subcorneal pustular dermatosis. Although there are still some gaps in the knowledge, it is now clear that their pathophysiology implies that mechanisms associated with auto-inflammation are involved, while many of these dermatoses occur in the setting of other systemic inflammatory diseases (colitis, arthritis) and of malignancies (blood malignancies, solid cancers). As such it is an important area of study within internal medicine. Neutrophilic Dermatoses represents an extensive clinical review of the group of diseases and is a critical resource for all medical professionals managing these patients, including clinicians in dermatology, gastro-enterology,, rheumatology, hematology, and internal medicine.

Mig Welding Guide Dundurn

“Offers and up-to-date assessment of the entire field of diffraction gratings, including history, physics, manufacture, testing, and instrument design. Furnishes--for the first time in a single-source reference--a thorough review of efficiency behavior, examining echelles as well as concave, binary, transmission, fiber, and waveguide gratings.”

The Trunk Key Dundurn

I have physical scars from past surgeries, however, I have emotional scars as well. They were buried deep inside (hidden). It wasn't until my mother died was I able to “catch my breath” and to make sense of or process the emotional pain I had endured due to her prescription drug addiction, resulting in my own addictions.

Automotive News Woodhead Publishing

Praise for the Third Edition “ Future mathematicians, scientists, and engineers should find the book to be an excellent introductory text for coursework or self-study as well as worth its shelf space for reference. ” —MAA Reviews Applied Mathematics, Fourth Edition is a thoroughly updated and revised edition on the applications of modeling and analyzing natural, social, and technological processes. The book covers a wide range of key topics in mathematical methods and modeling and highlights the connections between mathematics and the applied and natural sciences. The Fourth Edition covers both standard and modern topics, including scaling and dimensional analysis; regular and singular perturbation; calculus of variations; Green ’ s functions and integral equations; nonlinear wave propagation; and stability and bifurcation. The book provides extended coverage of mathematical biology, including biochemical kinetics, epidemiology, viral dynamics, and parasitic disease. In addition, the new edition features: Expanded coverage on orthogonality, boundary value problems, and distributions, all of which are motivated by solvability and eigenvalue problems in elementary linear algebra Additional MATLAB® applications for computer algebra system calculations Over 300 exercises and 100 illustrations that demonstrate important concepts New examples of dimensional analysis and scaling along with new tables of dimensions and units for easy reference Review material, theory, and examples of ordinary differential equations New material on applications to quantum mechanics, chemical kinetics, and modeling diseases and viruses Written at an accessible level for readers in a wide range of scientific fields, Applied Mathematics, Fourth Edition is an ideal text for introducing modern and advanced techniques of applied mathematics to upper-undergraduate and graduate-level students in mathematics, science, and engineering. The book is also a valuable reference for engineers and scientists in government and industry.

The Cogswells in America Palgrave Macmillan

This is an authoritative introduction to Computing Education research written by over 50 leading researchers from academia and the industry.

Lemon-Aid New Cars 2001 W H Freeman & Company

This work has been selected by scholars as being culturally important and is part of the knowledge base of civilization as we know it. This work is in the public domain in the United States of America, and possibly other nations. Within the United States, you may freely copy and distribute this work, as no entity (individual or corporate) has a copyright on the body of the work. Scholars believe, and we concur, that this work is important enough to be preserved, reproduced, and made generally available to the public. To ensure a quality reading experience, this work has been proofread

and republished using a format that seamlessly blends the original graphical elements with text in an easy-to-read typeface. We appreciate your support of the preservation process, and thank you for being an important part of keeping this knowledge alive and relevant.

Porsche - Origin of the Species CRC Press

Provocative, challenging, and fun, *The Ideal Problem Solver* offers a sound, methodical approach for resolving problems based on the IDEAL (Identify, Define, Explore, Act, Look) model. The authors suggest new strategies for enhancing creativity, improving memory, criticizing ideas and generating alternatives, and communicating more effectively with a wider range of people. Using the results of laboratory research previously available only in a piecemeal fashion or in scientific journals, Bransford and Stein discuss such issues as Teaming new information, overcoming blocks to creativity, and viewing problems from a variety of perspectives.

Recent Advances in Structural Engineering, Volume 1 Franklin Classics

This edited collection considers whether it is possible to discern how the level of ideology is affected by radicalization. In other words: what happens in the minds of people before they decide to use political violence as means to attain their goals? Also this book asks: what has to happen in the minds of people in order to preclude them from using political violence as a way of attaining their goals? This volume unites scholars from several disciplines and perspectives from a number of different geographical, social and cultural contexts with the overarching aim to refine our understanding of what 'radicalization' actually implies.

Microwave Engineering CRC Press

This Open Access volume explains how major nuclear and radiological emergencies (NREs) can have implications at local, national and international level. The response to NREs requires a competent decision-making structure, clear communication and effective information exchange. National veterinary services have the responsibility to plan, design and manage animal production system in their countries. These activities cover animal health, animal movement control, production control and improvement, and control of the products of animal origin before their placement on the market. Release of radionuclides after NREs can cause substantial contamination in the animal production systems. Critical responsibility of veterinary authorities is therefore to prevent such contamination, establish early response mechanisms to mitigate the consequences and prevent placement of contaminated products of animal origin on the market for human consumption. This work summarizes the critical technical points for effective management of NREs for national veterinary services.

Engineering Electromagnetics Programme: Aas-Iop Astronomy

Within Jerry Seinfeld's renowned Porsche collection resides an unassuming yet extraordinary piece of Porsche history: Porsche Gm ü nd coupe 356/2-040.

Captured exclusively for this book in a series of evocative portraits by acclaimed automotive photographer Michael Furman, 040s unsullied originality conveys with startling immediacy the combination of artistry, innovation and determination that went into its improbable creation. Porsche-Origin of the Species will appeal to all car enthusiasts who are eager to know what events really ignited the spark from which all other Porsches evolved