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KEY=NON - GRANT JADON

Car Hacks and Mods For Dummies

John Wiley & Sons So you want to turn your Yugo into a Viper? Sorry--you need a certified magician. But if you want to turn your sedate sedan into a mean machine or your used car lot deal into a powerful, purring set of wheels, you've come to the right place. Car Hacks & Mods for Dummies will get you turbo-charged up about modifying your car and guide you smoothly through: Choosing a car to mod Considering warranties, legal, and safety issues Hacking the ECU (Engine Control Unit) to adjust performance-enhancing factors like fuel injection, firing the spark plugs, controlling the cooling fan, and more Replacing your ECU with a plug and play system such as the APEXi Power FC or the AEM EMS system Putting on the brakes (the faster you go, the faster you'll need to stop) Setting up your car for better handling and cornering Written by David Vespremi, automotive expert, frequent guest on national car-related TV shows, track driving instructor and self-proclaimed modder, Car Hacks & Mods for Dummies gets you into the ECU and under the hood and gives you the keys to: Choosing new wheels, including everything from the basics to dubs and spinners Putting your car on a diet, because lighter means faster Basic power bolt-ons and more expensive power adders Installing roll bars and cages to enhance safety

Adding aero add-ons, including front “chin” spoilers, real spoilers, side skirts, and canards Detailing, down to the best cleaners and waxes and cleaning under the hood Using OBD (on-board diagnostics) for troubleshooting Getting advice from general Internet sites and specific message boards and forums for your car’s make or model, whether it’s a Chevy pick-up or an Alfa Romeo roadster Whether you want to compete at drag strips or on road courses or simply accelerate faster on an interstate ramp, if you want to improve your car’s performance, Car Hacks & Mods for Dummies is just the boost you need.

The Nimrod Review

an independent review into the broader issues surrounding the loss of the RAF Nimrod MR2 aircraft XV230 in Afghanistan in 2006, report

Stationery Office On 2 September 2006, RAF Nimrod XV230 was on a routine mission in southern Afghanistan when she suffered a catastrophic mid-air fire, leading to the total loss of the aircraft and the death of the 12 crew and two mission specialists on board. An RAF Board of Inquiry (2007) concluded that the loss was caused by a fuel escape and its ignition by contact with an exposed element of the Cross-Feed/Supplementary Cooling Pack (SCP) duct. The Nimrod Review was set up to examine the arrangements for ensuring airworthiness and safe operation of the Nimrod MR2, to assess where responsibility lies for any failure and what lessons are to be learned. The Review concludes the most likely source of fuel was an overflow during air-to-air refuelling and agrees with the ignition source. It highlights design flaws introduced at three stages in the life of XV230, and failure to heed previous potentially relevant incidents. The Nimrod safety case drawn up between 2001 and 2005 is found to be error-strewn and incompetent and characterised by a general malaise, an assumption that the Nimrod was safe because it had flown for 30 years. The Review criticises BAE Systems, the MoD Nimrod Integrated Project Team, QinetiQ and individual personnel from those organisations involved in the safety case. Organisational causes are also identified: in-service support for equipment; major organisational changes between 1998 and 2008; and delays in procurement of the Nimrod MRA4 replacement. Lessons to be learned are profound and wide-ranging. Recommendations are made for a new approach in eight key areas: principles (leadership, independence, people, simplicity); the

airworthiness regime; safety cases; aged aircraft; personnel strategy; industry strategy; procurement; safety culture. The loss of XV230 was avoidable and a systemic breach of the Military Covenant.

Porsche High-Performance Driving Handbook

Handbook of Hydraulic Resistance

Product Dimensions: 9.7 x 6.6 x 2.1 inches The Handbook has been composed on the basis of processing, systematization, and classification of the results of a great number of investigations published at different time. The essential part of the book is the outcome of investigations carried out by the author. The present edition of this Handbook should assist in increasing the quality and efficiency of the design and usage of industrial power engineering and other constructions and also of the devices and apparatus through which liquids and gases move.

Toyota MR2

The Complete Story

Crowood Toyota MR2 details the full start-to-finish history of Toyota's bestselling mid-engined sports car, from 1984 until 2007, when production ended. This new book covers all three generations of models: the first-generation AW11 - Car of the Year Japan, 1984-1985; second-generation SW20, with a new 2,0 litre 3S-GTE engine and the third-generation ZZW30/MR2 Roadster. With detailed specification guides, archive photos and beautiful new photography, this book is a must for every MR2 owner and sports car enthusiast. Covers the background to the MR2 - the 1973 oil crisis and Akio Yoshida's designs; suspension improvements to the Mk II, significantly improving handling; the MR2 in motorsport; special editions and Zagato's VM180. This complete history of Toyota MR2 includes detailed specifications guides and is beautifully illustrated with 260 colour and 36 black & white archive photographs.

Visual Aircraft Recognition

This manual is primarily a ready reference to assist the ground observer in aircraft recognition and identification. It provides information on current operational aircraft of the United States and foreign countries, which may be observed worldwide in the combat area. It can be used as source material for personnel conducting unit training in visual aircraft recognition. The procedures in this publication apply throughout the US Army. The data is based on the best information available at the time of publication; however, it is not all-inclusive because of some classification guidelines. This publication, by nature, has a built-in time lag, and some aircraft may still be under development or classified at the time of writing, but may be fielded or unclassified at, or after, publication.

Street TurbochargingHP1488

Design, Fabrication, Installation, and Tuning of High-Performance Street Turbocharger Systems

Penguin Transform an average car or truck into a turbocharged high performance street machine. A handbook on theory and application of turbocharging for street and high-performance use, this book covers high performance cars and trucks. This comprehensive guide features sections on theory, indepth coverage of turbocharging components, fabricating systems, engine building and testing, aftermarket options and project vehicles.

Parentology

Everything You Wanted to Know about the Science of

Raising Children but Were Too Exhausted to Ask

Simon and Schuster An award-winning scientist offers his unorthodox approach to childrearing: “Parentology is brilliant, jaw-droppingly funny, and full of wisdom...bound to change your thinking about parenting and its conventions” (Amy Chua, author of Battle Hymn of the Tiger Mother). If you’re like many parents, you might ask family and friends for advice when faced with important choices about how to raise your kids. You might turn to parenting books or simply rely on timeworn religious or cultural traditions. But when Dalton Conley, a dual-doctorate scientist and full-blown nerd, needed childrearing advice, he turned to scientific research to make the big decisions. In Parentology, Conley hilariously reports the results of those experiments, from bribing his kids to do math (since studies show conditional cash transfers improved educational and health outcomes for kids) to teaching them impulse control by giving them weird names (because evidence shows kids with unique names learn not to react when their peers tease them) to getting a vasectomy (because fewer kids in a family mean smarter kids). Conley encourages parents to draw on the latest data to rear children, if only because that level of engagement with kids will produce solid and happy ones. Ultimately these experiments are very loving, and the outcomes are redemptive—even when Conley’s sassy kids show him the limits of his profession. Parentology teaches you everything you need to know about the latest literature on parenting—with lessons that go down easy. You’ll be laughing and learning at the same time.

Industrial Motion Control

Motor Selection, Drives, Controller Tuning, Applications

John Wiley & Sons Motion control is widely used in all types of industries including packaging, assembly, textile, paper, printing, food processing, wood products, machinery, electronics and semiconductor manufacturing. Industrial motion control applications use specialized equipment and require system design and integration. To design such systems, engineers need to be familiar with industrial motion control products; be able to bring together control theory, kinematics, dynamics, electronics, simulation, programming and machine design; apply interdisciplinary knowledge; and deal with practical application issues. The book is intended to be an introduction to the topic for senior level undergraduate mechanical and electrical engineering students. It should also be resource for system design engineers, mechanical engineers, electrical engineers, project managers, industrial engineers,

manufacturing engineers, product managers, field engineers, and programmers in industry.

Rocket Propulsion Elements

An Introduction to the Engineering of Rockets

Mechanical Design Engineering Handbook

Butterworth-Heinemann Mechanical Design Engineering Handbook is a straight-talking and forward-thinking reference covering the design, specification, selection, use and integration of machine elements fundamental to a wide range of engineering applications. Develop or refresh your mechanical design skills in the areas of bearings, shafts, gears, seals, belts and chains, clutches and brakes, springs, fasteners, pneumatics and hydraulics, amongst other core mechanical elements, and dip in for principles, data and calculations as needed to inform and evaluate your on-the-job decisions. Covering the full spectrum of common mechanical and machine components that act as building blocks in the design of mechanical devices, Mechanical Design Engineering Handbook also includes worked design scenarios and essential background on design methodology to help you get started with a problem and repeat selection processes with successful results time and time again. This practical handbook will make an ideal shelf reference for those working in mechanical design across a variety of industries and a valuable learning resource for advanced students undertaking engineering design modules and projects as part of broader mechanical, aerospace, automotive and manufacturing programs. Clear, concise text explains key component technology, with step-by-step procedures, fully worked design scenarios, component images and cross-sectional line drawings all incorporated for ease of understanding Provides essential data, equations and interactive ancillaries, including calculation spreadsheets, to inform decision making, design evaluation and incorporation of components into overall designs Design procedures and methods covered include references to national and international standards where appropriate

You Suck at Racing

A Crash Course for the Novice Driver

Createspace Independent Publishing Platform A lot of books on driving are written by professional racers who assume you too want to be a professional racer. Not this book. It's written by a hobbyist who suggests you keep your day job. Besides, it's much more fun being an enthusiastic amateur than a jaded professional (just ask someone in the sex industry). This book is designed to help the average driver make the transition from commuter to safe road racer in as few pages as possible. I wrote this book because it's what I would have wanted to read when I first became interested in track driving: succinct, nerdy, practical, and occasionally diverting. It is not intended as a definitive tome or a work of art. It's more like a sandwich: convenient and nourishing.

Renewable Energy Technologies

A Review of the Status and Costs of Selected Technologies

World Bank Publications World Bank Technical Paper 240. Uses the findings of more than 50 studies on the historic and projected costs of renewable energy technologies to develop a common basis for comparing the costs of photovoltaics, solar-thermal, and biomass technology

Bash the Lion My First Numbers

ROAR!!! Meet Bash the Lion - a playful Lion who loves to learn. Your toddler will enjoy going on learning hunts with Bash as they explore their first numbers. All Bash the Lion My First books are wonderfully put together along with activities that will help your child expand their recognition of items, as well as their vocabulary and pronunciation. Unlike typical picture books (that only display pictures with the names of the objects), Bash the Lion My First books include the 7 different learning concepts (visual, kinesthetic/physical, aural/auditory, social, solitary, verbal and logical) to foster a curiosity in your toddler that will plant the seeds for further reading and learning. We are self-publishers, literally a "mom and pop", so we hope you enjoy our labor of love as we did with

our little one.

Fundamentals of Automotive and Engine Technology

Standard Drives, Hybrid Drives, Brakes, Safety Systems

Springer Hybrid drives and the operation of hybrid vehicles are characteristic of contemporary automotive technology. Together with the electronic driver assistant systems, hybrid technology is of the greatest importance and both cannot be ignored by today's car drivers. This technical reference book provides the reader with a firsthand comprehensive description of significant components of automotive technology. All texts are complemented by numerous detailed illustrations.

Uk Defence Statistics 2004

The Stationery Office This annual statistical compendium from the Ministry of Defence contains a wide range of data relating to the armed forces, defence expenditure, service and civilian personnel and defence activities. Findings for the period 2003-04 include: i) defence spending was the Government's fourth highest expenditure, with a provisional outturn against the Departmental Expenditure Limits of £37.2 billion, and a total value of MoD fixed assets of £86.3 billion as of March 2003; ii) the total number of MoD personnel fell by 34 per cent between 1990 to 2004, with service personnel down by 32 per cent; iii) the proportion of serving personnel from the ethnic minorities stood at 4.9 per cent at April 2004, compared with 4.3 per cent the previous year; iv) in 2002-03, MoD net expenditure on R&D activity totalled £2.7 billion; and v) the MoD spent around £1.7 billion on conflict prevention activities worldwide during the year 2003-04.

Surface Integrity in Machining

Springer Science & Business Media "Surface Integrity in Machining" describes the fundamentals and recent advances in the study of surface integrity in machining processes. "Surface Integrity in Machining" gathers together research from international experts in the field. Topics covered include: the definition of surface integrity and its importance in functional performance; surface topography characterization and evaluation; microstructure modification and the mechanical properties of subsurface layers; residual stresses; surface integrity characterization methods; and surface integrity aspects in machining processes. A useful reference for researchers in

tribology and materials, mechanical and materials engineers, and machining professionals, "Surface Integrity in Machining" can be also used as a textbook by advanced undergraduate and postgraduate students.

Quick Boot

A Guide for Embedded Firmware Developers, 2nd Edition

Walter de Gruyter GmbH & Co KG Quick Boot is designed to give developers a background in the basic architecture and details of a typical boot sequence. More specifically, this book describes the basic initialization sequence that allows developers the freedom to boot an OS without a fully featured system BIOS. Various specifications provide the basics of both the code bases and the standards. This book also provides insights into optimization techniques for more advanced developers. With proper background information, the required specifications on hand, and diligence, many developers can create quality boot solutions using this text. Pete Dice is Engineering Director of Verifone, where he manages OS Engineering teams in Dublin, Ireland and Riga Latvia. Dice successfully launched Intel(R) Quark(TM), Intel's first generation SoC as well as invented the Intel(R) Galileo(TM) development board and developed a freemium SW strategy to scale Intel IoT gateway features across product lines. He is also credited with architecting the "Moon Island" software stack and business model.

Electric Motors and Drives

Fundamentals, Types and Applications

*Elsevier Written for non-specialist users of electric motors and drives, this book explains how electric drives work and compares the performance of the main systems, with many examples of applications. The author's approach - using a minimum of mathematics - has made this book equally popular as an outline for professionals and an introductory student text. * First edition (1990) has sold over 6000 copies. Drives and Controls on the first edition: 'This book is very readable, up-to-date and should be extremely useful to both users and o.e.m. designers. I unhesitatingly recommend it to any busy engineer who needs to make informed judgements about selecting the right drive system.' New features of the second edition: * New section on the cycloconverter drive. * More on switched reluctance motor drives. * More on vector-controlled induction motor drives. * More on power switching devices. * New 'question and*

answer' sections on common problems and misconceptions. * Updating throughout. *Electric Motors and Drives* is for non-specialist users of electric motors and drives. It fills the gap between specialist textbooks (which are pitched at a level which is too academic for the average user) and the more prosaic 'handbooks' which are filled with useful detail but provide little opportunity for the development of any real insight or understanding. The book explores most of the widely-used modern types of motor and drive, including conventional and brushless d.c., induction motors (mains and inverter-fed), stepping motors, synchronous motors (mains and converter-fed) and reluctance motors.

Economics with Calculus

World Scientific This textbook provides a calculus-based introduction to economics. Students blessed with a working knowledge of the calculus would find that this text facilitates their study of the basic analytical framework of economics. The textbook examines a wide range of micro and macro topics, including prices and markets, equity versus efficiency, Rawls versus Bentham, accounting and the theory of the firm, optimal lot size and just in time, monopoly and competition, exchange rates and the balance of payments, inflation and unemployment, fiscal and monetary policy, IS-LM analysis, aggregate demand and supply, speculation and rational expectations, growth and development, exhaustible resources and over-fishing. While the content is similar to that of conventional introductory economics textbook, the assumption that the reader knows and enjoys the calculus distinguishes this book from the traditional text.

Operation and Maintenance of Diesel-electric Locomotives, 1965

Antennas and Propagation for Wireless Communication Systems

2nd Edition

John Wiley & Sons Antennas and propagation are of fundamental importance to the coverage, capacity and quality of all wireless communication systems. This book provides a solid grounding in antennas and propagation, covering terrestrial and satellite radio systems in both mobile and fixed contexts. Building on the highly successful first edition, this fully updated text features significant new material and brand new exercises and supplementary materials to support course tutors. A vital source of information for practising and aspiring wireless communication engineers as well as for students at postgraduate and senior undergraduate levels, this book provides a fundamental grounding in the principles of antennas and propagation without excessive recourse to mathematics. It also equips the reader with practical prediction techniques for the design and analysis of a very wide range of common wireless communication systems. Including: Overview of the fundamental electromagnetic principles underlying propagation and antennas. Basic concepts of antennas and their application to specific wireless systems. Propagation measurement, modelling and prediction for fixed links, macrocells, microcells, picocells and megacells Narrowband and wideband channel modelling and the effect of the channel on communication system performance. Methods that overcome and transform channel impairments to enhance performance using diversity, adaptive antennas and equalisers. Key second edition updates: New chapters on Antennas for Mobile Systems and Channel Measurements for Mobile Radio Systems. Coverage of new technologies, including MIMO antenna systems, Ultra Wideband (UWB) and the OFDM technology used in Wi-Fi and WiMax systems. Many new propagation models for macrocells, microcells and picocells. Fully revised and expanded end-of-chapter exercises. The Solutions Manual can be requested from http://www.wiley.com/go/saunders_antennas_2e

Basics of Fluid Mechanics

Orange Grove Books

Basic Statistics and Data Analysis

Duxbury Press

Calibration of Particle Instruments in Space Physics

Ramjet Engines

American Automobile Names

Mechanical Vibrations: Theory and Applications

Cengage Learning Mechanical Vibrations: Theory and Applications takes an applications-based approach at teaching students to apply previously learned engineering principles while laying a foundation for engineering design. This text provides a brief review of the principles of dynamics so that terminology and notation are consistent and applies these principles to derive mathematical models of dynamic mechanical systems. The methods of application of these principles are consistent with popular Dynamics texts. Numerous pedagogical features have been included in the text in order to aid the student with comprehension and retention. These include the development of three benchmark problems which are revisited in each chapter, creating a coherent chain linking all chapters in the book. Also included are learning outcomes, summaries of key concepts including important equations and formulae, fully solved examples with an emphasis on real world examples, as well as an extensive exercise set including objective-type questions. Important Notice: Media content referenced within the product description or the product text may not be available in the ebook version.

Automotive Engineering

Powertrain, Chassis System and Vehicle Body

Butterworth-Heinemann A one-stop reference for automotive and other engineers involved in vehicle and automotive technologies. The book provides essential information on each of the main automotive systems (engines; powertrain and chassis; bodies; electrical systems) plus critical external factors that engineers need to engage with, such as hybrid technologies, vehicle efficiency, emissions

*control and performance optimization. * Definitive content by the leading authors in the field * A thorough resource, providing all the essential material needed by automotive and mechanical engineers on a day-to-day basis * Fundamentals, key techniques, engineering best practice and know-how together in one quick-reference sourcebook * Focuses on what engineers need to know: engineering fundamentals, key associated technologies, environmental and efficiency engineering, and sustainability, as well as market-driven requirements such as reliability, safety, and comfort * Accompanied by multi-body dynamics and tire dynamic modeling software*

Thermal Engineering in Power Systems

WIT Press Research and development in thermal engineering for power systems are of significant importance to many scientists who are engaged in research and design work in power-related industries and laboratories. This book focuses on variety of research areas including Components of Compressor and Turbines that are used for both electric power systems and aero engines, Fuel Cells, Energy Conversion, and Energy Reuse and Recycling Systems. To be competitive in today's market, power systems need to reduce the operating costs, increase capacity factors and deal with many other tough issues. Heat Transfer and fluid flow issues are of great significance and it is likely that a state-of-the-art edited book with reference to power systems will make a contribution for design and R&D engineers and the development towards sustainable energy systems.

Animals in Space

From Research Rockets to the Space Shuttle

Springer Science & Business Media This book is as a detailed, but highly readable and balanced account of the history of animal space flights carried out by all nations, but principally the United States and the Soviet Union. It explores the ways in which animal high-altitude and space flight research impacted on space flight biomedicine and technology, and how the results - both successful and disappointing - allowed human beings to then undertake that same hazardous journey with far greater understanding and confidence. This complete and authoritative book will undoubtedly become the ultimate authority on animal space flights.

Foundation Design

Theory and Practice

John Wiley & Sons In Foundation Design: Theory and Practice, Professor N. S. V. Kameswara Rao covers the key aspects of the subject, including principles of testing, interpretation, analysis, soil-structure interaction modeling, construction guidelines, and applications to rational design. Rao presents a wide array of numerical methods used in analyses so that readers can employ and adapt them on their own. Throughout the book the emphasis is on practical application, training readers in actual design procedures using the latest codes and standards in use throughout the world. Presents updated design procedures in light of revised codes and standards, covering: American Concrete Institute (ACI) codes Eurocode 7 Other British Standard-based codes including Indian codes Provides background materials for easy understanding of the topics, such as: Code provisions for reinforced concrete Pile design and construction Machine foundations and construction practices Tests for obtaining the design parameters Features subjects not covered in other foundation design texts: Soil-structure interaction approaches using analytical, numerical, and finite element methods Analysis and design of circular and annular foundations Analysis and design of piles and groups subjected to general loads and movements Contains worked out examples to illustrate the analysis and design Provides several problems for practice at the end of each chapter Lecture materials for instructors available on the book's companion website Foundation Design is designed for graduate students in civil engineering and geotechnical engineering. The book is also ideal for advanced undergraduate students, contractors, builders, developers, heavy machine manufacturers, and power plant engineers. Students in mechanical engineering will find the chapter on machine foundations helpful for structural engineering applications. Companion website for instructor resources: www.wiley.com/go/rao

Rotordynamics of Automotive Turbochargers

Springer Rotordynamics of automotive turbochargers is dealt with in this book encompassing the widely working field of small turbomachines under real operating conditions at the very high rotor speeds up to 300000 rpm. The broadly interdisciplinary field of turbocharger rotordynamics involves 1) Thermodynamics and Turbo-Matching of Turbochargers 2) Dynamics of Turbomachinery 3) Stability Analysis of Linear Rotordynamics with the Eigenvalue Theory 4) Stability Analysis of Nonlinear Rotordynamics with the Bifurcation Theory 5) Bearing Dynamics of the Oil Film using the Two-Phase Reynolds Equation 6) Computation of Nonlinear

Responses of a Turbocharger Rotor 7) Aero and Vibroacoustics of Turbochargers 8) Shop and Trim Balancing at Two Planes of the Rotor 9) Tribology of the Bearing Surface Roughness 10) Design of Turbocharger Platforms using the Similarity Laws The rotor response of an automotive turbocharger at high rotor speeds is studied analytically, computationally, and experimentally. Due to the nonlinear characteristics of the oil-film bearings, some nonlinear responses of the rotor besides the harmonic response $1X$, such as oil whirl, oil whip, and modulated frequencies occur in Waterfall diagram. Additionally, the influences of the surface roughness and oil characteristics on the rotor behavior, friction, and wear are discussed. This book is written by an industrial R&D expert with many years of experience in the automotive and turbocharger industries. The all-in-one book of turbochargers is intended for scientific and engineering researchers, practitioners working in the rotordynamics field of automotive turbochargers, and graduate students in applied physics and mechanical engineering.

Vehicle Powertrain Systems

John Wiley & Sons The powertrain is at the heart of vehicle design; the engine – whether it is a conventional, hybrid or electric design – provides the motive power, which is then managed and controlled through the transmission and final drive components. The overall powertrain system therefore defines the dynamic performance and character of the vehicle. The design of the powertrain has conventionally been tackled by analyzing each of the subsystems individually and the individual components, for example, engine, transmission and driveline have received considerable attention in textbooks over the past decades. The key theme of this book is to take a systems approach – to look at the integration of the components so that the whole powertrain system meets the demands of overall energy efficiency and good drivability. *Vehicle Powertrain Systems* provides a thorough description and analysis of all the powertrain components and then treats them together so that the overall performance of the vehicle can be understood and calculated. The text is well supported by practical problems and worked examples. Extensive use is made of the MATLAB(R) software and many example programmes for vehicle calculations are provided in the text. Key features: Structured approach to explaining the fundamentals of powertrain engineering Integration of powertrain components into overall vehicle design Emphasis on practical vehicle design issues Extensive use of practical problems and worked examples Provision of MATLAB(R) programmes for the reader to use in vehicle performance calculations This comprehensive and integrated analysis of vehicle powertrain engineering provides an invaluable resource for undergraduate and postgraduate automotive engineering students and is a useful reference for practicing engineers in the vehicle industry

Lightweight Electric/Hybrid Vehicle Design

Elsevier Lightweight Electric/Hybrid Vehicle Design, covers the particular automotive design approach required for hybrid/electrical drive vehicles. There is currently huge investment world-wide in electric vehicle propulsion, driven by concern for pollution control and depleting oil resources. The radically different design demands of these new vehicles requires a completely new approach that is covered comprehensively in this book. The book explores the rather dramatic departures in structural configuration necessary for purpose-designed electric vehicle including weight removal in the mechanical systems. It also provides a comprehensive review of the design process in the electric hybrid drive and energy storage systems. Ideal for automotive engineering students and professionals Lightweight Electric/Hybrid Vehicle Design provides a complete introduction to this important new sector of the industry. comprehensive coverage of all design aspects of electric/hybrid cars in a single volume packed with case studies and applications in-depth treatment written in a text book style (rather than a theoretical specialist text style)

Engineering Vibration Analysis with Application to Control Systems

Elsevier Most machines and structures are required to operate with low levels of vibration as smooth running leads to reduced stresses and fatigue and little noise. This book provides a thorough explanation of the principles and methods used to analyse the vibrations of engineering systems, combined with a description of how these techniques and results can be applied to the study of control system dynamics. Numerous worked examples are included, as well as problems with worked solutions, and particular attention is paid to the mathematical modelling of dynamic systems and the derivation of the equations of motion. All engineers, practising and student, should have a good understanding of the methods of analysis available for predicting the vibration response of a system and how it can be modified to produce acceptable results. This text provides an invaluable insight into both.

Seals and Sealing Handbook

Gulf Publishing Company

Channel Coding Techniques for Wireless Communications

Springer Nature This book discusses the latest channel coding techniques, MIMO systems, and 5G channel coding evolution. It provides a comprehensive overview of channel coding, covering modern techniques such as turbo codes, low-density parity-check (LDPC) codes, space-time coding, polar codes, LT codes, and Raptor codes as well as the traditional codes such as cyclic codes, BCH, RS codes, and convolutional codes. It also explores MIMO communications, which is an effective method for high-speed or high-reliability wireless communications. It also examines the evolution of 5G channel coding techniques. Each of the 13 chapters features numerous illustrative examples for easy understanding of the coding techniques, and MATLAB-based programs are integrated in the text to enhance readers' grasp of the underlying theories. Further, PC-based MATLAB m-files for illustrative examples are included for students and researchers involved in advanced and current concepts of coding theory.

Engineering Principles of Agricultural Machines

Amer Society of Agricultural

Notebook

White Grey Marble College Ruled Blank Lined Cute Notebooks for Girls Teens Kids School Students and

Teachers Writing Notes Journal

This beautiful, sleek, stylish 8.5x11 inch soft cover paperback marble notebook features a letter L monogram for those whose name starts with the initial L. The monogram is written in a flowy, fancy, cursive font, and is set on on a faux gray & white marble classic background. A pretty watercolor flower design print decorates the cover with blue and pink flowers, and green leaves & foliage, to complete the natural nature inspired design. Classy & elegant, this marble journal is inspired by both timeless, traditional classic luxurious styles where marble is often associated with luxury, and it is also inspired by minimalistic clean contemporary modern fashion. It's inspired by this mixed with inspiration from the pretty boho floral style. The interior of this gorgeous, feminine, floral flowery grey marbled composition notebook contains lined / Medium Ruled / College-ruled paper, with 120 pages, and the pages are perfect bound. A cute, classically glamorous, classy, trendy, girly, sophisticated, chic and beautiful diary, notepad or field book for use at work, in the office, at school, college, university, home or anywhere you desire. The perfect piece of beautiful stationery to complete your collection of lovely, fashionable paper writing pads or office supplies. A custom notebook, customised with your own name initial, great for those looking for a fancy-looking custom journal that's personalised to be a name-letter customized notebook, for you to have your own personalized journal for your personalised needs! With its flowing font & flowy typography lettering and pink flower decoration this girly note book may be particularly suitable for women, for girls, for teen girls, for ladies and for formal professional business women. Great for writing, planning, doodling, journaling, note taking and keeping track of your ideas, plans, doodles, notes and thoughts. This Notebook Perfect for used- Notebook for Kids- Notebook for School- Notebook For Doodling- Sketchbook for Kids