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KEY=T - JENNINGS DUDLEY

Fundamentals of Tractor Design

Springer Nature This textbook offers a comprehensive review of tractor design fundamentals. Discussing more than hundred problems and including about six hundred international references, it offers a unique resource to advanced undergraduate and graduate students, researchers and also practical engineers, managers, test engineers, consultants and even old-timer fans. Tractors are the most important pieces of agricultural mechanization, hence a key factor of feeding the world. In order to address the educational needs of both less and more developed countries, the author included fundamentals of simple but proved designs for tractors with moderate technical levels, along with extensive information concerning modern, premium tractors. The broad technical content has been structured according to five technology levels, addressing all components. Relevant ISO standards are considered in all chapters. The book covers historical highlights, tractor project management (including cost management), traction mechanics, tires (including inflation control), belt ground drives, and ride dynamics. Further topics are: chassis design, diesel engines (with emission limits and installation instructions), all important types of transmissions, topics in machine element design, and human factors (health, safety, comfort). Moreover, the content covers tractor-implement management systems, in particular ISOBUS automation and hydraulic systems. Cumulative damage fundamentals and tractor load spectra are described and implemented for dimensioning and design verification. Fundamentals of energy efficiency are discussed for single tractor components and solutions to reduce the tractor CO2 footprint are suggested.

British Power Farmer and Agricultural Engineer

The Commercial Motor

The Automobile Engineer

Power Farming in Australia and New Zealand Technical Manual

Tractor Transmissions

Practical Farm Ideas Quarterly

OECD Guidelines for the Testing of Chemicals, Section 5 Test No. 504: Residues in Rotational Crops (Limited Field Studies)

OECD Publishing This Test Guideline describes a method to determine the amount of pesticide residues which may be accumulated into rotational crops via soil uptake following realistic agricultural practices. These data may be used to establish crop rotation ...

Taking Stock of Industrial Ecology

Springer How can we design more sustainable industrial and urban systems that reduce environmental impacts while supporting a high quality of life for everyone? What progress has been made towards reducing resource use and waste, and what are the prospects for more resilient, material-efficient economies? What are the environmental and social impacts of global supply chains and how can they be measured and improved? Such questions are at the heart of the emerging discipline of industrial ecology, covered in Taking Stock of Industrial Ecology. Leading authors, researchers and practitioners review how far industrial ecology has developed and current issues and concerns, with illustrations of what the industrial ecology paradigm has achieved in public policy, corporate strategy and industrial practice. It provides an introduction for students coming to industrial ecology and for professionals who wish to understand what industrial ecology can offer, a reference for researchers and practitioners and a source of case studies for teachers.

Hydropneumatic Suspension Systems

Springer Nature Hydropneumatic suspensions systems combine the excellent properties of gas springs with the favourable damping properties of hydraulic fluids. The advantages of these systems are particularly appropriate for automotive applications, such as passenger cars, trucks and agricultural equipment. In this book, Dr. Bauer provides an extensive overview of hydropneumatic suspension systems. Starting with a comparison of different types of suspension systems, the author subsequently describes the theoretical background associated with spring and damping characteristics of hydropneumatic systems and furthermore explains the design of the most important system components. Additionally he gives an overview of level control systems and various special functions. Finally the technology is illustrated by design examples and the outlook for future hydropneumatic suspensions is discussed.

The 'Made in Germany' Champion Brands

Nation Branding, Innovation and World Export Leadership

Routledge Germany's economic miracle is a widely-known phenomenon, and the world-leading, innovative products and services associated with German companies are something that others seek to imitate. In The 'Made in Germany' Champion Brands, Ugesh A. Joseph provides an extensively researched, insightful look at over 200 of Germany's best brands to see what they stand for, what has made them what they are today, and what might be transferable. The way Germany is branded as a nation carries across into the branding of its companies and services, particularly the global superstar brands - truly world-class in size, performance and reputation. Just as important are the medium-sized and small enterprises, known as the 'Mittelstand'. These innovative and successful enterprises from a wide range of industries and product / service categories are amongst the World market leaders in their own niche and play a huge part in making Germany what it is today. The book also focuses on German industrial entrepreneurship and a selection of innovative and emergent stars. All these companies are supported and encouraged by a sophisticated infrastructure of facilitators, influencers and enhancers - the research, industry, trade and standards organizations, the fairs and exhibitions and all the social and cultural factors that influence, enhance and add positive value to the country's image. Professionals or academics interested in business; entrepreneurship; branding and marketing; product or service development; international trade and business development policy, will find fascinating insights in this book; while those with an interest in Germany from emerging industrial economies will learn something of the secrets of German success.

Erzmetall

Automotive News

Airports International

Lubricants and Lubrication, 2 Volume Set

John Wiley & Sons Praise for the previous edition: "Contains something for everyone involved in lubricant technology" — Chemistry & Industry This completely revised third edition incorporates the latest data available and reflects the knowledge of one of the largest companies active in the business. The authors take into account the interdisciplinary character of the field, considering aspects of engineering, materials science, chemistry, health and safety. The result is a volume providing chemists and engineers with a clear interdisciplinary introduction and guide to all major lubricant applications, focusing not only on the various products but also on specific application engineering criteria. A classic reference work, completely revised and updated (approximately 35% new material) focusing on sustainability and the latest developments, technologies and processes of this multi billion dollar business Provides chemists and engineers with a clear interdisciplinary introduction and guide to all major lubricant applications, looking not only at the various products but also at specific application engineering criteria All chapters are updated in terms of environmental and operational safety. New guidelines, such as REACH, recycling alternatives and biodegradable base oils are introduced Discusses the integration of micro- and nano-tribology and lubrication systems Reflects the knowledge of Fuchs Petrolub SE, one of the largest companies active in the lubrication business 2 Volumes wileyonlinelibrary.com/ref/lubricants

The Indian Automotive Industry

Buyers' Guide, 2006

The Wankel Engine: Design, Development, Applications

Chilton's Truck & Off-highway Industries

CIGR Handbook of Agricultural Engineering: Energy & biomass engineering

Amer Society of Agricultural

Power Converters for Electric Vehicles

CRC Press Power Converters for Electric Vehicles gives an overview, topology, design, and simulation of different types of converters used in electric vehicles (EV). It covers a wide range of topics ranging from the fundamentals of EV, Hybrid EV and its stepwise approach, simulation of the proposed converters for real-time applications and corresponding experimental results, performance improvement paradigms, and overall analysis. Drawing upon the need for novel converter topologies, this book provides the complete solution for the power converters for EV applications along with simulation exercises and experimental results. It explains the need for power electronics in the improvement of performance in EV. This book: Presents exclusive information on the power electronics of EV including traction drives. Provides step-by-step procedure for converter design. Discusses various topologies having different isolated and non-isolated converters. Describes control circuit design including renewable energy systems and electrical drives. Includes practical case studies incorporated with simulation and experimental results. Power Converters for Electric Vehicles will provide researchers and graduate students in Power Electronics, Electric Drives, Vehicle Engineering a useful resource for stimulating their efforts in this important field of the search for renewable technologies.

Bio#Futures

Foreseeing and Exploring the Bioeconomy

Springer Nature This volume presents a timely recognition, warning and mapping of the fast approaching wave, or "bio-tsunami", of global socio-technical transformation, built by a much wider spectrum of converging powers, including biotechnology, new agriculture, novel foods, health, quality of life, environment, energy, sustainability, education, knowledge management, and design of smart applications. The book contains eight sections corresponding to different clusters of bioeconomic and socio-technical change, as identified by the editors' "Scanning the Horizon" foresight research; it also offers an integrated view of the future bioeconomy landscape through the convergence of several technologies that affect everyday life. The clusters offer methodologies for forecasting the future bioeconomy, and how these predictions can affect target-setting and the orientation of policies and actions to manage cultural and societal change, and achieve sustainable development in less developed areas. The book will be of interest to researchers, producers, logistics experts, policy makers, regulators, business and financial institutions, and biotechnologists (e.g. geneticists, food experts, etc.).

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*

Sustainable Agricultural Mechanization: A Framework for Africa

Food & Agriculture Org. This framework presents ten interrelated principles/elements to guide Sustainable Agricultural Mechanization in Africa (SAMA). Further, it presents the technical issues to be considered under SAMA and the options to be analysed at the country and sub regional levels. The ten key elements required in a framework for SAMA are as follows: The analysis in the framework calls for a specific approach, involving learning from other parts of the world where significant transformation of the agricultural mechanization sector has already occurred within a three-to-four decade time frame, and developing policies and programmes to realize Africa's aspirations of Zero Hunger by 2025. This approach entails the identification and prioritization of relevant and interrelated elements to help countries develop strategies and practical development plans that create synergies in line with their agricultural transformation plans. Given the unique characteristics of each country and the diverse needs of Africa due to the ecological heterogeneity and the wide range of farm sizes, the framework avoids being prescriptive.

Belts and Chains

Red 4WD Tractors

High-Horsepower All-Wheel-Drive Tractors from International Harvester, Steiger, and Case IH

The story of the four-wheel-drive tractors built by Steiger, International Harvester, Case, and Case IH is told in dramatic fashion in this authoritative guide. Starting with the development of early four-wheel-drive systems at International Harvester, the book traces the evolution and design some of the most powerful and capable tractors of the twentieth century. With fresh detail on the 4300, 4100, Steiger-built IH tractors, and the 2+2 tractors including the Super 70 series, the book offers prototype drawings of several models—including the complete story of the never-before-published Magnum 2+2—as well as inside stories and backroom drama that is a must for any enthusiast for farm history or tractors. Learn the complete story of Steiger tractors, which were originally designed and built in the barn of John, Douglass, and Maurice Steiger located near Red Lake Falls, Minnesota. Containing interviews with more than 50 of the people who built Steiger from its humble origin to a world leader, the book traces the evolution of the lime green Steigers in engrossing detail. The book also covers the J.I. Case 4WD line in great detail. In addition, the book tells the story of how each of these significant players in the industry combined under one banner and—together—created one of the current industry-leading technologies, the Quadtrac. The modern evolution of the Steigers and the introduction of the STX Series (and more) also receive in-depth coverage. The same team that created the award-winning books Red Tractors 1958-2013 and Red Combines 1915-2015 created this book, and notable new contributors include Sherry Schaefer (editor of Heritage Iron magazine) and noted historian Jim Allen. Contributors include Sherry Schaefer, Oscar H. Will III, Jim Allen, Kenneth Updike, Todd Markle, Gregg Montgomery, Guy Fay, Martin Rickatson, Sarah Tomac, Matthias Buschmann, Jean Cointe, Michael Osweiler, and Johann Dittmer.

The Tractor Book

The Definitive Visual History

Dorling Kindersley Ltd The definitive visual history of the tractor The complete history of farm machinery, from steam and vintage tractors to the latest combine harvesters is showcased in this lavishly illustrated volume. Packed with images and tractor data on more than 200 iconic machines, The Tractor Book explores the entire range of tractors and farming machines from around the world, such as Fordson Model F and Massey-Harris GP. Histories of famous marques, such as John Deere and Massey Ferguson, sit alongside immersive visual tours of celebrated machines. The Tractor Book covers how tractors work, their history, major marques and catalogues tractors from every era making this a must-have for anyone fascinated by these extraordinary machines.

The UK Pesticide Guide 2017

The UK Pesticide Guide 2017 has 7 new active ingredient profiles. Two are confirmed as available in 2017 while 5 are currently only listed as Products also Registered (PARs). The two available are: - cyantraniliprole for insect control in headed brassicas - halauxifen-methyl +/- fluroxypyr for broad-leaved weed control in cereals. The five awaiting confirmation are: - buprofezin for insect control in protected Solonaceae - penhoxamid for weed control in grain maize and winter oilseed rape - Pepino Mosaic Virus for suppression of viral diseases in protected tomatoes - Pythium oligandrun M1 for disease control in spring barley, wheat and oilseed rape - Tembotrione for weed control in maize and sweetcorn. In addition, hazard precautions have been upgraded and the roll out of extended buffer zones, for some products, continues with many products re-approved under new MAPP numbers. There are also: - 7 new herbicide profiles - 4 in the main section and 3 as PARs - 8 new fungicide profiles - 6 in the main section and 2 as PARs - 1 new plant growth regulator (PGR) combination and 1 new molluscicide. In the main section of the Guide 8 herbicide profiles (tepraloxym approval expires 30/11/2016), 17 fungicides (including prochloraz), 4 insecticides and 1 PGR are no longer included.

Twelve Years a Slave

Prabhat Prakashan "Having been born a freeman, and for more than thirty years enjoyed the blessings of liberty in a free State—and having at the end of that time been kidnapped and sold into Slavery, where I remained, until happily rescued in the month of January, 1853, after a bondage of twelve years—it has been suggested that an account of my life and fortunes would not be uninteresting to the public." -an excerpt

The Automotive Chassis

Engineering Principles : Chassis and Vehicle Overall, Wheel Suspensions and Types of Drive, Axle Kinematics and Elastokinematics, Steering, Springing, Tyres, Construction and Calculations Advice

Butterworth-Heinemann This comprehensive overview of chassis technology presents an up-to-date picture for vehicle construction and design engineers in education and industry. The book acts as an introduction to the engineering design of the automobile's fundamental mechanical systems. Clear text and first class diagrams are used to relate basic engineering principles to the particular requirements of the chassis. In addition, the 2nd edition of 'The Automotive Chassis' has a new author team and has been completely updated to include new technology in total vehicle and suspension design, including platform concept and four-wheel drive technology.

European Wood-pastures in Transition

A Social-ecological Approach

Routledge Wood-pastures are important elements of European cultural identity and have an exceptional ecological value, yet they are in decline all over Europe. The structure of wood-pastures is strongly influenced by grazing and multiple other land uses and by local and regional environmental conditions. This book examines the diverse expressions of wood-pastures across Europe. It provides a new perspective, using a social-ecological framework to explore social and ecological values, governing institutions, threats and conservation approaches. It explores the major drivers of decline, which are shown to be related to accelerated cultural, institutional and developmental changes occurring across Europe over the past century. Case studies are included from North-Western, Southern, and Eastern Europe. Written by renowned scholars and conservationists, the book contributes to developing better, locally adapted conservation policies and management approaches for wood-pastures.

Re-Presenting 'Jane' Shore

Harlot and Heroine

Routledge Re-Presenting 'Jane' Shore analyzes the representation of the mistress of Edward IV of England, known to us as 'Jane' Shore (c. 1445-c. 1527). The daughter of a well-to-do merchant, she left her merchant husband to become the king's concubine. After Edward's death, his brother, later Richard III, charged her with witchcraft and harlotry, prompting Thomas More to include her in his exposition of Richard's perfidies in The History of Richard III. Since then, Jane Shore has been a frequent subject of, among others, poets (Thomas Churchyard and Thomas Deloney), playwrights (Shakespeare and Nicholas Rowe), and novelists (Guy Padget and Jean Plaidy). Scott examines the anxiety in Anglo-American culture generated when sex and politics intersect, using the case of 'Jane' Shore to show how history is compromised and complicated by context. In doing so, she reveals how women continue to be deployed as symbols rather than as actors on the larger stage of the drama that is politics.

Young Men and Fire

Twenty-fifth Anniversary Edition

University of Chicago Press Twenty-five years after its first publication, Young Men and Fire is read avidly by students of literary nonfiction for its blend of hard-earned research, memoir, and an old man's wisdom. It tells one of the most infamous stories in the history of wildland firefighting: On August 5, 1949, a crew of fifteen of the United States Forest Service's elite airborne firefighters, the Smokejumpers, stepped into the sky above a remote forest fire in the Montana wilderness. On the ground, they were joined by a local fireguard. Two hours after the jump, all but three of the men were dead or mortally burned. For forty years, Maclean was haunted by these deaths. And for the last years of his life, he struggled to write a book that would put back together the scattered pieces of the Mann Gulch disaster and to give it the dignity of tragedy. The result is both the definitive account of what happened to the Smokejumpers on that remote Montana mountainside in 1949, and the narrative of a writer's quest for meaning in the face of elusive facts and the waning energies of old age.

Panther & Its Variants

Schiffer Pub Limited The first two volumes of this definitive history of German armor are now available in English! Known for its emphasis on detail, the Spielberger series shows in factory, test and combat photographs, and detailed line drawings, all production models, prototypes and modifications of specific armor and military vehicles. Volume I covers all variations of the "Panther" tanks, including all vehicles that used the Panther chassis. Volume II on the Sturmgeschutz assault guns, shows all short and long gun versions, as well as the various support vehicles of the Sturmartillerie. Upcoming volumes include: Volume III on the Panzer IV, and Volume IV and the Panzer III.

Jagdpanther

Panzerjaeger Panther (8.8 Cm) (Sd.Kfz.173) Ausf.G1 und G2 ; All New 1/10th and 1/35th Scale As-built Drawings

Panzer Tracts No. 9-3 - Jagdpanther - Panzerjaeger Panther (8.8 cm Pak) (Sd.Kfz.173) Ausf.G1 und G2 - We spent hundreds of hours accurately measuring survivors and over a thousand hours drawing at full-scale to create as-built drawings for the first time - accurate to the same tight tolerances demanded of the original assembly firms. Hundreds of research hours went into finding the numerous previously unnoticed modifications. Therefore, we have selected the unique approach of using 1/10th scale drawings to illustrate the smallest details, while six-view (including right side and belly) 1/35th scale drawings are still used for the complete Jagdpanther. We also created flat-plane drawings of many components to aid modelers make accurate parts that are hard to replicate when only drawn at angle. This book is also loaded with information on the development history, production, unit organization, issue, tactics, and wartime reports from front-line units. This 92 page book is heavily illustrated with over 200 scale drawings and 45 clear/rare large-format photos.

Water

Up, Down, and All Around

Capstone Describes the water cycle and the importance of water, explaining evaporation and condensation, dew and frost, and the three states of water.

How Cool Are Penguins

Office the Kuf Publishing, Incorporated How Cool Are Penguins is a book that will introduce young children to the world of penguins. It is written and illustrated in a fun and informative way that will entertain both the young and the young at heart.

Taming the Landmine

The development of the landmine as a tactical weapon, combined with the efforts made to combat its devastating effects, is followed in this title.

Password Keeper

Password Keeper Book, 7.5x9.25" 110 Pages, 2 Entries Per Page of Password Organizer, Journal, Big Column to Write All Necessary in One Place.

Createspace Independent Publishing Platform Password keeper book, 7.5x9.25" 110 pages, 2 entries per page of password organizer, journal, big column to write all necessary in one place. summer background, Password keeper, my password book, password safe for you to keep all your Internet Password in every website you visit, this password manager is well organized to track all your Internet, website, username, password and email address without forgetting by keeping your password journal in one the location. Use this password finder and writing in password notepad to keep it all. It is very simple and effective for all age to use. and ideal for the gift in any occasion too.

Tires and Tracks

Sowing Ideas. Harvesting the Future.

Delius Klasing Verlag Gmbh Includes the presentation of 30 outstanding and formative innovations as examples of the CLAAS company's innovative culture Addresses issues such as artificial intelligence in agriculture, market research, and patent protection The CLAAS company, one of the world's leading manufacturers of agricultural engineering equipment, has managed to successfully reconcile tradition and innovation since it was founded in 1913. In this book, the authors show how a spirit of inventiveness and a deeply ingrained culture that values innovation has brought visionary technologies in equipment design and production to fruition. It tells the compelling story of this international company and introduces some of the smart minds behind the most forward-thinking ideas. In fusing mechanical engineering with digitalization, CLAAS has developed ground-breaking technologies that address the future of agriculture and one of the greatest challenges of our time: feeding an ever-growing global population.