

up some books for yourself and your close ones.

Python Social Media Analytics SAE International

This book introduces readers to the theory, design and applications of automotive transmissions. It covers multiple categories, e.g. AT, AMT, CVT, DCT and transmissions for electric vehicles, each of which has its own configuration and characteristics. In turn, the book addresses the effective design of transmission gear ratios, structures and control strategies, and other topics that will be of particular interest to graduate students, researchers and engineers. Moreover, it includes real-world solutions, simulation methods and testing procedures. Based on the author's extensive first-hand experience in the field, the book allows readers to gain a deeper understanding of vehicle transmissions.

The Arrival of the Electric Car SAE International

A driveline expert guides you through each step of the rebuild process for 8.8- and 9-inch axle assemblies, so you can confidently complete the work yourself. He explains in detail limited-slip and open differential disassembly, inspection, assembly, final calibration, and break-in. He also shows you how to identify worn ring-and-pinion gears, rebuild clutch packs, set the correct contact pattern for pinion and ring gears as well as the backlash, and much more.

Penguin

Every year global automakers introduce new or significantly re-engineered passenger vehicles with increasingly advanced technology intended to exceed consumer expectations and satisfy increasingly stringent government regulations. Some of these technologies are firsts-of-their-kind and start trends that other automakers soon follow—with the innovations becoming adopted across the board. The supply community is also increasingly playing a more significant role in helping the original equipment manufacturers research, develop, and introduce the latest engineering innovations that help bring competitive advantage for their automaker partners. Each year, the editors of SAE's Automotive Engineering magazine publish many articles focused on the technology and engineering innovations of new passenger and concept vehicles, and these articles have been collected into this volume. This 2015 Passenger Car and 2014 Concept Car Yearbook is the fourth in an ongoing series of books that provide yearly snapshots of the latest and greatest technologies

introduced by the automotive industry. In this book, we explore from an OEM and supplier perspective the newest and most technically interesting production vehicles released for the 2015 model year. In addition, we also have included a technology-focused recap of the concept cars revealed during 2014. Readers will have, in one publication, a complete overview of the key advances that took place over the course of the year from around the world. Each new model is profiled in its own chapter with one or more articles by the award-winning editors and contributors of Automotive Engineering in this exclusive compilation of print and online content. The novel engineering aspects of each new vehicle are explored, with exclusive interviews of key engineers and product developers providing insights you can only get from you can only get from Automotive Engineering. This book is published for the most technically-minded enthusiasts who are interested in new car technologies, as well as practicing automotive engineers who are interested in new engineering trends. Engineering trends explored focus on what engineers are doing to meet the sometimes conflicting consumer and governmental demands for improved vehicle fuel efficiency, performance, safety and comfort. In short, this book: • Provides a single source for information on the key engineering trends of the year from both automaker and supplier perspectives. • Allows the reader to skip to chapters that cover specific car models that interest them, or read about all models from beginning to end. • Makes for dynamic book reading, with its large number of big, full-color images and easy-reading magazine format.

Mindfulness Life Journal Springer Nature
The light-duty vehicle fleet is expected to undergo substantial technological changes over the next several decades. New powertrain designs, alternative fuels, advanced materials and significant changes to the vehicle body are being driven by increasingly stringent fuel economy and greenhouse gas emission standards. By the end of the next decade, cars and light-duty trucks will be more fuel efficient, weigh less, emit less air pollutants, have more safety features, and will be more expensive to purchase relative to current vehicles. Though the gasoline-powered spark ignition engine will continue to be the dominant powertrain configuration even through 2030, such vehicles will be equipped with advanced technologies, materials, electronics and controls, and aerodynamics. And by 2030, the

deployment of alternative methods to propel and fuel vehicles and alternative modes of transportation, including autonomous vehicles, will be well underway. What are these new technologies - how will they work, and will some technologies be more effective than others? Written to inform The United States Department of Transportation's National Highway Traffic Safety Administration (NHTSA) and Environmental Protection Agency (EPA) Corporate Average Fuel Economy (CAFE) and greenhouse gas (GHG) emission standards, this new report from the National Research Council is a technical evaluation of costs, benefits, and implementation issues of fuel reduction technologies for next-generation light-duty vehicles. Cost, Effectiveness, and Deployment of Fuel Economy Technologies for Light-Duty Vehicles estimates the cost, potential efficiency improvements, and barriers to commercial deployment of technologies that might be employed from 2020 to 2030. This report describes these promising technologies and makes recommendations for their inclusion on the list of technologies applicable for the 2017-2025 CAFE standards.

Motoring World CarTech Inc

(Second Edition) Are you considering buying an electric vehicle? All of us are witnessing a once-in-a-lifetime transformation. For over one hundred years, gasoline and diesel fuels have powered ground transportation throughout the world. Now that is changing, and 2023 is the year when most people will recognize that change is happening. This book is a comprehensive, easy-to-understand overview of the passenger EV universe including guides for buying and owning an electric car. The authors discuss choosing, owning and driving an electric car, then explain the features, advantages, benefits and limitations of over 45 EV models including pickup trucks, SUVs, and sedans. "If you have to have a car, make it an electric car. As this book makes clear, they are better than old-fashion vehicles in every way." -Bill McKibben, American environmentalist and climate change authority; co-founded 350.org and spearheaded the fossil fuel divestment campaign resulting in endowments worth more than \$15 trillion stepping back from oil, gas and coal. "Thankfully, now that the electric vehicle R&D "dark ages" are coming to an end and automakers around the world are charging up their EV programs, there's no doubt that we're about to see massive, valuable change in our transportation landscape." - Sebastian Blanco, one of America's leading

electric car journalists who has been writing about EVs since 2006.

AUTOMOBILE

No Starch Press

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.

2016 Passenger Car and 2015 Concept Car Yearbook John Wiley & Sons

From tanks to tow trucks, all the models showcased in this book use LEGO Technic gears, pulleys, pneumatics, and electric motors to really move. You'll find some of the world's best fan-created LEGO super-cars, construction equipment, monster trucks, watercraft, and more, along with design notes and breakaway views of the truly incredible mechanisms inside. Look closely, and you'll learn how expert builders use differentials, suspensions, linkages, and complex gearing systems in their creations. Whether you're a beginning builder or a longtime LEGO fan, Incredible LEGO Technic offers a unique look at the artistry and engineering that can make your LEGO creations come alive.

Flipping the Script Springer

Private Investigator Tessa Leoni comes up against a case where even the victim cannot be trusted in this propulsive thriller from the #1 New York Times bestselling author--with a cameo by her fan-favorite character, Boston Detective D.D. Warren. Nicole Frank shouldn't have survived the car accident, much less the crawl up the steep ravine. One thought allows her to defy the odds and flag down help—she must save Vero. If the girl even exists. Arriving at the scene, Sergeant Wyatt Foster joins the desperate hunt for a missing child, only to learn that Nicky suffers from a rare brain injury that causes delusions. According to her husband, there is no child. Never has been. And yet Nicky remains adamant. She must save Vero. For Wyatt and investigator Tessa Leoni, nothing about this case is simple. It turns out Nicky has recently suffered more than one close accident. Is she indeed delusional, as her husband claims, or perhaps she knows more than she thinks? Because clearly someone out there won't rest till Nicky crashes and burns....

Lemon-Aid New Cars and Trucks 2011

Dundurn

UNE GRANDE AVENTURE SUR L'AVENIR Le monde automobile traverse la plus grande période de changements de son histoire. L'ère des véhicules électriques est à nos portes. Pour bien refléter cette nouvelle

réalité en pleine mutation, L'Annuel de l'automobile prend une nouvelle forme. Pour la première fois en 22 ans, l'Annuel de l'automobile sera présenté en deux sections distinctes. Une première section du livre sera consacrée aux véhicules avec moteurs à essence et une seconde section du livre sera réservée uniquement aux véhicules hybrides branchables et 100% électrique. Une manière simple et efficace pour que les lecteurs trouvent rapidement l'information qu'ils désirent. Avec la quantité de modèles électriques qui va grandir de manière exponentielle aux cours des prochaines années, le segment électrique de l'Annuel de l'automobile va aussi prendre plus d'espace. Pandémie ou pas, l'industrie automobile avance et l'Annuel de l'automobile est là pour vous tenir aux faits des plus récentes informations. UN GRAND COUP D'OEIL SUR NOS REPORTAGES UN GRAND COMPARATIF SUR LES VÉHICULES ÉLECTRIQUES L'hiver dernier, 21 véhicules 100% électrique ont quittés Trois Rivières par une température de -16 degrés Celsius en direction de la route de glace de St-Ignace de Loyola. Cette classique hivernale 2022 mise sur pied par Mobilité électrique Canada avait pour but de tester non seulement l'autonomie et la consommation hivernale des 21 véhicules électriques, mais aussi de mettre à l'épreuve les réseaux de recharge. Nous publierons dans ce plus grand comparatif au monde tous les résultats de notre journée d'essai et révélons les réelles capacités des véhicules électriques en hiver. UNE VOITURE ÉLECTRIQUE OU À ESSENCE Les avantages et inconvénients de l'achat de l'un et l'autre et le modèle qui est le plus avantageux après cinq ans et pourquoi. LE RÉSEAU DE BORNES DE RECHARGE PUBLIC : CE QUE VOUS DEVEZ SAVOIR ET LES COÛTS QUI SONT ASSOCIÉS Même si plus de 80 % des recharges électriques se font à la maison, le réseau de recharge public prend de l'ampleur. Est-ce que la progression suit le rythme croissant des ventes de véhicules électriques ? Est-ce que les bornes offrent de bonnes performances de recharge ? Les coûts varient d'un réseau à l'autre, lequel offre les meilleurs prix et le meilleur service ? Des questions à laquelle notre auteur répond.

CANADIAN GEOGRAPHIC

Dundurn

Offers advice for prospective buyers of cars and trucks, reveals information on secret warranties and confidential service bulletins, and tells how to complain and get results.

Car Leasing Done Right Packt

Publishing Ltd

As U.S. and Canadian automakers and dealers face bankruptcy and Toyota battles unprecedented quality-control problems, Lemon-Aid guides steer the confused and anxious buyer through the economic meltdown unlike any other car-and-truck books on the market. Phil Edmonston, Canada's automotive "Dr. Phil" for more than 40 years, pulls no punches. In this all-new guide he says: Chrysler's days are numbered with the dubious help of Fiat. Electric cars and ethanol power are PR gimmicks. Diesel and natural gas are the future. Be wary of "zombie" vehicles: Jaguar, Land Rover, Saab, and Volvo. Mercedes-Benz - rich cars, poor quality. There's only one Saturn you should buy. Toyota - enough apologies: "when you mess up, 'fess up."

Sustainable Value Chain Management

John Wiley & Sons

This textbook explains how to create models with freeform surfaces using CATIA V5. CATIA is a three dimensional CAD/CAM/CAE software developed by Dassault Systèmes, France. This textbook is based on CATIA V5-6R2014. Users of earlier releases can use this book with minor modifications. We provide files for exercises via our website. All files are in CATIA V5R20 so readers can open the files using later releases of CATIA V5. It is assumed that readers of this textbook are accustomed to the modeling tools and processes in how to construct solid models in CATIA V5. For basic modeling, assembly and drafting techniques, refer to the textbook written by the author. This textbook is suitable for anyone who are interested in learning how to create and use the freeform surface in constructing 3D models using CATIA V5.

TORQUE

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Leverage the power of Python to collect, process, and mine deep insights from social media data About This Book Acquire data from various social media platforms such as Facebook, Twitter, YouTube, GitHub, and more Analyze and extract actionable insights from your social data using various Python tools A highly practical guide to conducting efficient social media analytics at scale Who This Book Is For If you are a programmer or a data analyst familiar with the Python programming language and want to perform analyses of your social data to acquire valuable business insights, this book is for you. The book does not assume any prior knowledge of any data analysis tool or process. What You Will Learn

Understand the basics of social media mining Use PyMongo to clean, store, and access data in MongoDB Understand user reactions and emotion detection on Facebook Perform Twitter sentiment analysis and entity recognition using Python Analyze video and campaign performance on YouTube Mine popular trends on GitHub and predict the next big technology Extract conversational topics on public internet forums Analyze user interests on Pinterest Perform large-scale social media analytics on the cloud In Detail Social Media platforms such as Facebook, Twitter, Forums, Pinterest, and YouTube have become part of everyday life in a big way. However, these complex and noisy data streams pose a potent challenge to everyone when it comes to harnessing them properly and benefiting from them. This book will introduce you to the concept of social media analytics, and how you can leverage its capabilities to empower your business. Right from acquiring data from various social networking sources such as Twitter, Facebook, YouTube, Pinterest, and social forums, you will see how to clean data and make it ready for analytical operations using various Python APIs. This book explains how to structure the clean data obtained and store in MongoDB using PyMongo. You will also perform web scraping and visualize data using Scrappy and BeautifulSoup. Finally, you will be introduced to different techniques to perform analytics at scale for your social data on the cloud, using Python and Spark. By the end of this book, you will be able to utilize the power of Python to gain valuable insights from social media data and use them to enhance your business processes. Style and approach This book follows a step-by-step approach to teach readers the concepts of social media analytics using the Python programming language. To explain various data analysis

processes, real-world datasets are used wherever required.

2015 Passenger Car and 2014 Concept Car Yearbook Government Printing Office
 Motormouth John Wiley & Sons
Lemon-Aid New and Used Cars and Trucks 1990-2016 Delhi Press Magazines
 THEORY OF GROUND VEHICLES A leading and authoritative text for advancing ground vehicle mobility Theory of Ground Vehicles, Fifth Edition presents updated and expanded coverage of the critical factors affecting the performance, handling, and ride essential to the development and design of road and off-road vehicles. Replacing internal combustion engines with zero-emission powerplants in ground vehicles to eliminate greenhouse gas emissions for curbing climate change has received worldwide attention by both the vehicle industry and governmental agencies. To enhance safety, traffic flow, and operating efficiency of road transport, automated driving systems have been under active development. With growing interest in the exploration of the Moon, Mars, and beyond, research in terramechanics for guiding the development of extraterrestrial rovers has been intensified. In this new edition, these and other topics of interest in the field of ground vehicle technology are explored, and technical data are updated. New features of this edition include: Expanded coverage of the fundamentals of electric drives, hybrid electric drives, and fuel cell technology Introduction to the classification and operating principles of the automated driving system and cooperative driving automation Applications of terramechanics to guiding the development of extraterrestrial rovers Elaboration on the approach to achieving the optimal operating efficiency of all-wheel drive off-road vehicles Introduction

to updated ISO Standards for evaluating vehicle ride An updated and comprehensive text and reference for both the educational and professional communities, Theory of Ground Vehicles, Fifth Edition will prove invaluable to aspiring and practicing engineers seeking to solve real-world road and off-road vehicle mobility problems.

CATIA V5 Surface Design with Applications Little, Brown

Buying a car is a personal choice that has become a more complex decision because of advances in technology, and reliability issues that are haunting some car makers. Many consumers look to Zack Spencer, the host of Driving Television, for straightforward, no-nonsense, expert advice. In Motormouth, you will find out which vehicles are the safest, most reliable, and best value for your hard-earned dollar. In an easy-to-understand format, you will get: Fuel economy ratings Pros and cons for performance, handling, comfort, and ease-of-use Standard safety features J.D. Power Initial Quality and Dependability scores Base warranty information Engine specifications Pricing for base models Reviews of option packages and trim levels Zack's Top Picks for each category Zack provides insider buying tips to help you, whether you are buying privately, off the internet, or making the rounds to different dealers. He also advises you on your decision to lease, purchase or finance. At your fingertips are strategies and lessons learned from people's adventures in car buying, some with happy endings and others not-so-happy. From a fuel-sipping family friendly hauler to a rubber-burning luxury sports car, you can rely on Motormouth 2011 edition for the information you need to make a wise purchase decision. Go prepared and don't get stuck with a lemon. Take Motormouth along for the ride.

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