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MICROSOFT DYNAMICS 365 EXTENSIONS COOKBOOK

Packt Publishing Ltd **More than 80 recipes to help you leverage the various extensibility features available for Microsoft Dynamics and solve problems easily About This Book Customize, configure, and extend the vanilla features of Dynamics 365 to deliver bespoke CRM solutions fit for any organization Implement business logic using point-and-click configuration, plugins, and client-side scripts with MS Dynamics 365 Built a DevOps pipeline as well as Integrate Dynamics 365 with Azure and other platforms Who This Book Is For This book is for developers, administrators, consultants, and power users who want to learn about best practices when extending Dynamics 365 for enterprises. You are expected to have a basic understand of the Dynamics CRM/365 platform. What You Will Learn Customize, configure, and extend Microsoft Dynamics 365 Create business process automation Develop client-side extensions to add features to the Dynamics 365 user interface Set up a security model to securely manage data with Dynamics 365 Develop and deploy clean code plugins to implement a wide range of custom behaviors Use third-party applications, tools, and patterns to integrate Dynamics 365 with other platforms Integrate with Azure, Java, SSIS, PowerBI, and Octopus Deploy Build an end-to-end DevOps pipeline for Dynamics 365 In Detail Microsoft Dynamics 365 is a powerful tool. It has many unique features that empower organisations to bridge common business challenges and technology pitfalls that would usually hinder the adoption of a CRM solution. This book sets out to enable you to harness the power of Dynamics 365 and cater to your unique circumstances. We start this book with a no-code configuration chapter and explain the schema, fields, and forms modeling techniques. We then move on to server-side and client-side custom code extensions. Next, you will see how best to integrate Dynamics 365 in a DevOps pipeline to package and deploy your extensions to the various SDLC environments. This book also covers modern libraries and integration patterns that can be used with Dynamics 365 (Angular, 3 tiers, and many others). Finally, we end by highlighting some of the powerful extensions available. Throughout we explain a range of design patterns and techniques that can be used to enhance your code quality; the aim is that you will learn to write enterprise-scale quality code. Style and approach This book takes a recipe-based approach, delivering practical examples and use cases so that you can identify the best possible approach to extend your Dynamics 365 deployment and tackle your specific business problems.**

THE UNIX-HATERS HANDBOOK

John Wiley & Sons Incorporated **This book is for all people who are forced to use UNIX. It is a humorous book--pure entertainment--that maintains that UNIX is a computer virus with a user interface. It features letters from the thousands posted on the Internet's "UNIX-Haters" mailing list. It is not a computer handbook, tutorial, or reference. It is a self-help book that will let readers know they are not alone.**

USING WEBSPHERE MESSAGE BROKER V8 IN MID-MARKET ENVIRONMENTS

IBM Redbooks **IBM WebSphere® Message Broker is a lightweight, advanced enterprise service bus (ESB) that provides a broad range of integration capabilities that enable companies to rapidly integrate internal applications and connect to partner applications. Messages from business applications can be transformed, augmented and routed to other business applications. The types and complexity of the integration required will vary by company, application types, and a number of other factors. Processing logic in WebSphere Message Broker is implemented using message flows. Through message flows, messages from business applications can be transformed, augmented, and routed to other business**

applications. Message flows are created by connecting nodes together. A wide selection of built-in nodes are provided with WebSphere Message Broker. These nodes perform tasks that are associated with message routing, transformation, and enrichment. Message flows are created and tested using the Message Broker Toolkit, a sophisticated, easy-to-use programming tool that provides a full range of programming aids. This IBM® Redbooks® publication focuses on two specific integration requirements that apply to many midmarket companies. The first is the ability to use WebSphere Message Broker to integrate Microsoft.NET applications into a broader connectivity solution. WebSphere Message Broker V8 introduces the ability to integrate with existing Microsoft .NET Framework applications. A .NET assembly can be called from within a message flow and the WebSphere Message Broker runtime can host and run .NET code. Solutions explored in this book cover connectivity to applications using Windows Communications Framework (WCF), Microsoft Message Queuing, Microsoft Dynamics CRM, and other Microsoft applications. The second is the ability to integrate WebSphere Message Broker with file transfer networks, specifically with WebSphere MQ File Transfer Edition and IBM Sterling Connect Direct.

EXTENDING MICROSOFT DYNAMICS 365 FOR OPERATIONS COOKBOOK

Packt Publishing Ltd **Have the best tools at your fingertips to extend and maximize the efficiency of your business management About This Book Follow practical and easy-to-grasp examples, illustrations and coding to make the most out of Dynamics 365 for Operations in your business scenario Extend Dynamics 365 for Operations in a cost-effective manner by using tools you already have Solve common business problems with the valuable features of Dynamics 365 for Operations Who This Book Is For This book is for those who are getting to grips with Dynamics 365 for Operations developers or those migrating from C# development. The guide includes information essential for new and experienced Dynamics 365 for Operations developers. What You Will Learn Create enumerated and extended data types Understand the importance of using patterns and frameworks while creating a unique concept for your solution Service and deploy your code and packages to improve performance Write and perform unit tests to automate the testing process Design your security model and policies to provide code access privileges Construct the UI and business logic to add Power BI to dashboards In Detail Dynamics 365 for Operations is the ERP element of Microsoft's new Dynamics 365 Enterprise Edition. Operations delivers the infrastructure to allow businesses to achieve growth and make better decisions using scalable and contemporary ERP system tools. This book provides a collection of "recipes" to instruct you on how to create—and extend—a real-world solution using Operations. All key aspects of the new release are covered, and insights into the development language, structure, and tools are discussed in detail. New concepts and patterns that are pivotal to elegant solution designs are introduced and explained, and readers will learn how to extend various aspects of the system to enhance both the usability and capabilities of Operations. Together, this gives the reader important context regarding the new concepts and the confidence to reuse in their own solution designs. This "cookbook" provides the ingredients and methods needed to maximize the efficiency of your business management using the latest in ERP software—Dynamics 365 for Operations. Style and approach The book takes a practical recipe-based approach, focusing on real-world scenarios and giving you all the information you need to build a strong Dynamics 365 for Operations implementation.**

FUNDAMENTALS OF FLUID LUBRICATION

OPERATOR'S MANUAL

ARMY MODEL UH-1H/V HELICOPTERS

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HINDI MANUAL

BEGINNING BUILD AND RELEASE MANAGEMENT WITH TFS 2017 AND VSTS

LEVERAGING CONTINUOUS DELIVERY FOR YOUR BUSINESS

Apress **Master build and release management with Team Foundation Service and Visual Studio Team Services to facilitate the continuous delivery of software updates to your development team. You'll receive detailed, practical guidance on automating website deployments in Azure App Service, database deployments to Azure platform, Micro Services deployments in Azure Service Fabric, and more. Each deployment is structured with the aid of hands-on lessons in a given target environment designed to empower your teams to achieve successful DevOps. This book provides lessons on how to optimize build release management definitions using capabilities, such as task groups. With the help of practical scenarios, you'll also learn how to diagnose and fix issues in automated builds and deployments. You'll see how to enhance the capability of build and release management, using team services/TFS Marketplace extensions and writing your own extensions for any missing functionality via hands-on lessons. What You Will Learn Automate deployment to Azure platform, including Web App Service, Azure SQL and Azure Service Fabric Test automation integration with builds and deployments Perform Dynamic CRM deployment handling and package management with TFS/VSTS Examine requirement to production delivery traceability in practical terms Review cross platform build/deployment capabilities of TFS/VSTS. Who This Book Is For Build/Release Engineers, Configuration Managers, Software Developers, Test Automation Engineers, System Engineers, Software Architects and System/Production Support Engineers or anyone who handles and involves in the software delivery process.**

THE 48 LAWS OF POWER

Profile Books **THE MILLION COPY INTERNATIONAL BESTSELLER Drawn from 3,000 years of the history of power, this is the definitive guide to help readers achieve for themselves what Queen Elizabeth I, Henry Kissinger, Louis XIV and Machiavelli learnt the hard way. Law 1: Never outshine the master Law 2: Never put too much trust in friends; learn how to use enemies Law 3: Conceal your intentions Law 4: Always say less than necessary. The text is bold and elegant, laid out in black and red throughout and replete with fables and unique word sculptures. The 48 laws are illustrated through the tactics, triumphs and failures of great figures from the past who have wielded - or been victimised by - power. _____ (From the Playboy interview with Jay-Z, April 2003) PLAYBOY: Rap careers are usually over fast: one or two hits, then styles change and a new guy comes along. Why have you endured while other rappers haven't? JAY-Z: I would say that it's from still being able to relate to people. It's natural to lose yourself when you have success, to start surrounding yourself with fake people. In The 48 Laws of Power, it says the worst thing you can do is build a fortress around yourself. I still got the people who grew up with me, my cousin and my childhood friends. This guy right here (gestures to the studio manager), he's my friend, and he told me that one of my records, Volume Three, was wack. People set higher standards for me, and I love it.**

GASTROINTESTINAL MOTILITY

PROCEEDINGS OF THE 9TH INTERNATIONAL SYMPOSIUM ON GASTROINTESTINAL MOTILITY HELD IN AIX-EN-PROVENCE, FRANCE, SEPTEMBER 12–16, 1983

Springer Science & Business Media **This volume reviews the most recent knowledge in the field of gastrointestinal motility in health and disease. The topics addressed include basic as well as clinical data concerning the motor functions of the entire gut: the lower oesophageal sphincter and the gastro-oesophageal reflux; the gastric emptying and the role of the pylorus; the motility of the biliary tract and its disorders; the cyclic motor activity of the gut and intestinal transit; the colonic and ano-rectal motility. There are also impOltant contributions in physiology and pharmacology relating to the neurohumoral regulation of the gut, and the function of digestive smooth muscle. Several papers explore the nature of the linkage between brain and gut. a link which has long been deduced by clinicians but not, until recently, systematically explored by scientists. The individual papers, selected from a large number of submissions, have been subject to 'peer-review' by an inter national committee which includes both cliniCians and basic scientists. Therefore this book should serve as an up to date source of information for researchers concerned with basic sciences as well as for clinicians in gastroenterology, medicine and surgery. C. Roman v This volume is dedicated to the memory of two friends and colleagues: Professor Dr J. HELLEMANS Professor Dr H. MONGES Acknowledgments This was the 9th of this series of symposia held alternatively in Europe and North America, and the first to be held in France.**

DIGITAL ACCOUNTING

THE EFFECTS OF THE INTERNET AND ERP ON ACCOUNTING

IGI Global **This volume provides a foundation in digital accounting by covering such fundamental topics as accounting software, XBRL (eXtensible Business Reporting Language), and EDI. The effects of the Internet and ERP on accounting are classified and presented for each accounting cycle, along with a comprehensive discussion of online controls.**

MICROSOFT DYNAMICS CRM 2016 UNLEASHED (INCLUDES CONTENT UPDATE PROGRAM)

WITH EXPANDED COVERAGE OF PARATURE, ADX AND FIELDONE

Sams Publishing **Microsoft Dynamics®CRM 2016 Unleashed presents start-to-finish guidance for planning, customizing, deploying, integrating, managing, and securing every new Online and On-Premises version of Dynamics CRM 2016. Leading Dynamics implementer Marc Wolenik presents comprehensive coverage of configuring, customizing, and operating Dynamics to serve your organization's unique needs. He illuminates Microsoft's renewed focus on services, via the Interactive Service Hub (ISH) and advanced cross-platform mobile client support. You'll also find extensive new coverage of key enhancements including xRM, Adxstudio Portals, FieldOne, Parature, Voice of the Customer, and FantasySalesTeam gamification. In addition, this book is part of Sam's Content Update Program. As Microsoft updates features of Windows 10, sections of this book will be updated or new sections will be added to match the updates to the software. The updates will be delivered to you via a free Web Edition of this book, which can be accessed with any Internet connection. Wolenik's example-rich guidance will be invaluable to every IT professional who intends to work with Dynamics CRM 2016, regardless of her experience with Dynamics, Salesforce, or other CRM solutions. Drawing on extensive insider knowledge, he systematically explains how Dynamics CRM 2016 works, why it works that way, and how to maximize its value. You'll find proven best practices for using every significant Dynamics capability–information available in no other book. Detailed information on how to… Compare each version of Dynamics CRM 2016, make your best choice, and deploy painlessly Leverage Dynamics CRM 2016 as a complete customer engagement solution for all channels and devices Quickly apply capabilities that previously required extensive programming or complex workarounds Efficiently manage accounts, leads, campaigns, collateral, cases, contacts, opportunities, orders, products, quotes, invoices, teams, and more Integrate schedules, cases, contacts, and product/service information Build powerful automated workflows, processes, and complete solutions Customize product catalogs to reduce SKUs, create bundles, and define up-sells or cross-sells Capture the Voice of the Customer with powerful new survey tools Build state-of-the-art customer service dashboards Create seamless, mobile-optimized self-service web portals with Adxstudio Make CRM more fun and compelling with FantasySalesTeam games Extend Dynamics CRM 2016 with custom plug-ins and add-ons**

INTERMEDIATE MICROECONOMICS WITH CALCULUS: A MODERN APPROACH

NINTH INTERNATIONAL STUDENT EDITION

W.W. Norton & Company **From Google's chief economist, Varian's best-selling intermediate microeconomics texts are revered as some of the best in the field. And now students can work problems online with Smartwork5, Norton's online homework system, packaged at no additional charge with the Media Update Editions. In addition to online homework, the texts now include four-color graphs and new interactive animations.**

CLOUD COMPUTING BIBLE

John Wiley & Sons **The complete reference guide to the hot technology of cloud computing Its potential for lowering IT costs makes cloud computing a major force for both IT vendors and users; it is expected to gain momentum rapidly with the launch of Office Web Apps later this year. Because cloud computing involves various technologies, protocols, platforms, and infrastructure elements, this comprehensive reference is just what you need if you?ll be using or implementing cloud computing. Cloud computing offers significant cost savings by eliminating upfront expenses for hardware and software; its growing popularity is expected to skyrocket when Microsoft introduces Office Web Apps This comprehensive guide helps define what cloud computing is and thoroughly explores the technologies, protocols, platforms and infrastructure that make it so desirable Covers mobile cloud computing, a significant area due to ever-increasing cell phone and smartphone use Focuses on the platforms and technologies essential to cloud computing Anyone involved with planning, implementing, using, or maintaining a cloud computing project will rely on the information in Cloud Computing Bible.**

SAMS TEACH YOURSELF MICROSOFT DYNAMICS CRM 2011 IN 24 HOURS

Sams Publishing **In just 24 sessions of one hour or less, you'll learn how to drive powerful business results with Microsoft Dynamics CRM 2011! Using this book's straightforward, step-by-step approach, you'll learn how to orchestrate successful CRM projects, automate processes, create more efficient workflows, optimize sales and marketing campaigns, and integrate with your other systems to do even more. One step at a time, you'll master new features ranging from the new Ribbon interface to SharePoint integration. Each lesson builds on what you've already learned, helping you get the job done fast--and get it done right! Step-by-step instructions walk you through common tasks. Quizzes and exercises at the end of each chapter test your knowledge. By the Way notes present information related to the discussion. Did You Know? tips offer advice or show you easier ways to perform tasks. Watch Out! cautions alert you to possible problems and give you advice on how to avoid them. Learn how to... Get a deep jump start on Dynamics CRM Grasp what is new in Dynamics CRM 2011 Bring together all the elements of a successful CRM project Understand Microsoft's roadmap for Dynamics CRM and prepare for the future Establish a strong foundation by making the right infrastructure and security choices Use Dynamics CRM to manage sales, leads, customer accounts, and marketing Efficiently manage your individual contacts and activities Take full advantage of email, Word mail merge, Excel and Outlook integration Integrate and automate the way you manage contracts, cases, tickets, schedules, and time Gain actionable business insights with Dynamics CRM Dashboards and Charts Add solutions from the MarketPlace that make Dynamics CRM even more valuable Extend Dynamics CRM with programming customizations and unique features**

POWER BI AND AZURE APPLICATIONS

de-G Press **Power BI Data Analysis and Visualization provides a roadmap to vendor choices and highlights why Microsoft's Power BI is a very viable, cost effective option for data visualization. The book covers the fundamentals and most commonly used features of Power BI, but also includes an in-depth discussion of advanced Power BI features such as natural language queries; embedding Power BI dashboards; and live streaming data. It discusses real solutions to extract data from the ERP application, Microsoft Dynamics CRM, and also offers ways to host the Power BI Dashboard as an Azure application, extracting data from popular data sources like Microsoft SQL Server and open-source PostgreSQL. Authored by Microsoft experts, this book uses real-world coding samples and screenshots to spotlight how to create reports, embed them in a webpage, view them across multiple platforms, and more. Business owners, IT professionals, data scientists, and analysts will benefit from this thorough presentation of Power BI and its functions.**

SIGNALS AND SYSTEMS

A MATLAB® INTEGRATED APPROACH

CRC Press **Drawing on the author's 25+ years of teaching experience, Signals and Systems: A MATLAB® Integrated Approach presents a novel and comprehensive approach to understanding signals and systems theory. Many texts use MATLAB® as a computational tool, but Alkin's text employs MATLAB both computationally and pedagogically to provide interactive, visual reinforcement of the fundamentals, including the characteristics of signals, operations used on signals, time and frequency domain analyses of systems, continuous-time and discrete-time signals and systems, and more. In addition to 350 traditional end-of-chapter problems and 287 solved examples, the book includes hands-on MATLAB modules consisting of: 101 solved MATLAB examples, working in tandem with the contents of the text itself 98 MATLAB homework problems (coordinated with the 350 traditional end-of-chapter problems) 93 GUI-based MATLAB demo programs that animate key figures and bring core concepts to life 23 MATLAB projects, more involved than the homework problems (used by instructors in building assignments) 11 sections of standalone MATLAB exercises that increase MATLAB proficiency and enforce good coding practices Each module or application is linked to a specific segment of the text to ensure seamless integration between learning and doing. A solutions manual, all relevant MATLAB code, figures, presentation slides, and other ancillary materials are available on an author-supported website or with qualifying course adoption. By involving students directly in the process of visualization, Signals and Systems: A MATLAB® Integrated Approach affords a more interactive—thus more effective—solution for a one- or two-semester course on signals and systems at the junior or senior level.**

INTERMEDIATE MICROECONOMICS WITH CALCULUS

A MODERN APPROACH

W. W. Norton **Rigorous and modern now with calculus integrated into the main text."**

ELECTRONIC CIRCUITS MANUAL

OVER 3,100 MODERN ELECTRONIC CIRCUITS, COMPLETE WITH VALUES OF ALL PARTS, ORGANIZED IN 99 LOGICAL CHAPTERS FOR QUICK REFERENCE AND CONVENIENT BROWSING

McGraw-Hill Companies

THE SECRET OF FANTASY FOREST

Sweet Valley **Seven-year-old Jessica and Elizabeth Wakefield are off to Fantasy Forest, the world's best amusement park, where they meet a new friend who reveals to them all the secrets about the park but none about himself. Original.**

GETTING STARTED WITH DYNAMICS 365 PORTALS

BEST PRACTICES AND SOLUTIONS FOR ENTERPRISES

Apress **Use the full range of features of Dynamics 365 Portal to develop and implement end user portals to provide your audience an online location to communicate and collaborate. This book guides you through implementation and highlights the best practices for each feature. Author Sanjaya Yapa begins with an introduction to end user portals in Dynamics 365 and takes you through a practical example that explains the features in detail. He then teaches you how the portal security works and best practices involved while configuring security such as local and federated authentication, web roles, and access rules. Helpful illustrations and directives guide you in setting up your portal with Dynamics 365 Customer Engagement (CE), basic customizations, content management, and web forms. You learn how to configure and manage document storage and learn about liquid templates, which is important when implementing custom web experiences for your end users. After reading this book, you will be able to implement a portal with Dynamics 365 CE and incorporate best practices in your enterprise-scale solutions. What You Will Learn Set up Dynamics 365 Portal within your Dynamics 365 instanceGet familiar with Portal Management Interface and its featuresKnow the security models and how to choose the best optionUse Entity Forms, lists, displaying charts, and customize PortalRefer to practical examples and case studies for developing and implementing advanced liquid templates Who This Book Is For Developers working in a Dynamics 365 CE environment**

FINANCE FOR ENGINEERS

EVALUATION AND FUNDING OF CAPITAL PROJECTS

Springer Science & Business Media **With flair and an originality of approach, Crundwell brings his considerable experience to bear on this crucial topic. Uniquely, this book discusses the technical and financial aspects of decision-making in engineering and demonstrates these through case studies. It's a hugely important matter as, of course, engineering solutions and financial decisions are intimately tied together. The best engineers combine the technical and financial cases in determining new solutions to opportunities, challenges and problems. To get your project approved, no matter the size of it, the financial case must be clear and compelling. This book provides a framework for engineers and scientists to undertake financial evaluations and assessments of engineering or production projects.**

PLANT MINERAL NUTRIENTS

METHODS AND PROTOCOLS

Humana Press **Collating a host of detailed methodologies and stepwise instructions for their use, this addition to the Methods in Molecular Biology series has all the key protocols used in studying plant mineral nutrition, as well as expert advice and troubleshooting tips.**

SECURITY ON IBM Z/VSE

IBM Redbooks **One of a firm's most valuable resources is its data: client lists, accounting data, employee information, and so on. This critical data must be securely managed and**

controlled, and simultaneously made available to those users authorized to see it. The IBM® z/VSE® system features extensive capabilities to simultaneously share the firm's data among multiple users and protect them. Threats to this data come from various sources. Insider threats and malicious hackers are not only difficult to detect and prevent, they might be using resources with the business being unaware. This IBM Redbooks® publication was written to assist z/VSE support and security personnel in providing the enterprise with a safe, secure and manageable environment. This book provides an overview of the security that is provided by z/VSE and the processes for the implementation and configuration of z/VSE security components, Basic Security Manager (BSM), IBM CICS® security, TCP/IP security, single sign-on using LDAP, and connector security.

MICROSOFT DYNAMICS CRM 4 FOR DUMMIES

John Wiley & Sons **Customer relationship management, or CRM, is certainly a hot topic in business today. If you have a small or medium-sized business, chances are you're already aware of all it can do for you. But with so many options and so much to think about, how do you get a CRM system in place with a minimum of hassle? Well, Microsoft Dynamics CRM 4 For Dummies is a great place to start! Written by veteran CRM experts Joel Scott and David Lee, this friendly guide will have you understanding and using Microsoft's CRM solution in a jiffy. Whether you're considering a CRM system for the first time or you've decided to switch from another system to Microsoft Dynamics CRM, this book will make it easy to: Maintain and manage all your customer information Personalize Microsoft CRM to work for your business Set up CRM to support sales, marketing, and customer service Use the Outlook client Manage territories and business units Create and manage activities Generate quotes and invoices Implement and manage a marketing campaign Work with contracts, and much more Microsoft Dynamics CRM 4 For Dummies is packed with information on the latest version, It will help you get a unified view of your customer information and interactions through integrated sales, marketing, and customer service features. And that, as every business owner knows, is important to improving your bottom line!**

ASSESSMENTS FOR SPORT AND ATHLETIC PERFORMANCE

Human Kinetics **Many scientific sport assessment resources are difficult to understand, can be time consuming to implement, and provide data that are difficult to analyze. Assessments for Sport and Athletic Performance effectively solves those problems in this practical, user-friendly guide to performance-based evaluation. A perfect resource for coaches and fitness professionals, Assessments for Sport and Athletic Performance is a streamlined guide through the process of identifying appropriate tests for individuals or teams, making use of common low-cost equipment to administer the tests, interpreting data, adjusting training programs based on the results, and continually monitoring the training.**

A HISTORY OF SATELLITE RECONNAISSANCE

THE ROBERT L. PERRY HISTORIES

Government Printing Office **This history provides valuable insight into the early management of the NRO and its subsequent development and operation of the film-return family of imaging reconnaissance satellites- insight that offers both lessons and inspiration for those of us who continue to work in the field of space reconnaissance. -- Excerpted from foreward.**

GNUPLOT 5.2 MANUAL

AN INTERACTIVE PLOTTING PROGRAM

Gnuplot is a portable command-line driven graphing utility for Linux, OS/2, MS Windows, OSX, VMS, and many other platforms. The source code is copyrighted but freely distributed (i.e., you don't have to pay for it). It was originally created to allow scientists and students to visualize mathematical functions and data interactively, but has grown to support many non-interactive uses such as web scripting. It is also used as a plotting engine by third-party applications like Octave. Gnuplot has been supported and under active development since 1986. Gnuplot supports many types of plots in either 2D and 3D. It can draw using lines, points, boxes, contours, vector fields, surfaces, and various associated text. It also supports various specialized plot types. This manual is available online for free at gnuplot.info. This manual is printed in grayscale.

THE LITTLE BOOK OF TRIKES

Veloce Publishing Ltd **Motor trikes have been around since the dawn of motoring, with many starting out as utility vehicles or prototypes of cars. But trikes haven't died out or become mere relics of motoring history – companies all over the world still produce them today, and many will convert a motorcycle into a trike. Trikes are not only huge fun, but can also be a lifestyle choice. They are as diverse as the people who ride them, and this book illustrates the vast range of machines available. The reader will discover a plethora of trike designs and layouts from the late 19th century to the present day. Some influential designs include Piaggio's three wheeled vehicles, the Morgan three wheeler, and the Harley-Davidson Servicar. The book also features the products of companies that convert motorcycles into trikes, and shows some mass-produced examples that you can buy today. Then there are the weird and wonderful machines built by individual enthusiasts – a testament to their engineering skills and true eccentricity ...**

THERMODYNAMICS

CONCEPTS AND APPLICATIONS

Cambridge University Press **The focus of Thermodynamic Concepts and Applications is on traditional thermodynamics topics, while structurally the book introduces the thermal-fluid sciences. 2nd law topics are introduced hierarchically in one chapter, important structure for a beginner. The book is designed for the instructor to select topics and combine them with material from other chapters seamlessly. Pedagogical devices include: learning objectives, chapter overviews and summaries, historical perspectives, and numerous examples, questions and problems and lavish illustrations. Students are encouraged to use the National Institute of Science and Technology (NIST) online properties database.**

ASPHALT PAVEMENTS

A PRACTICAL GUIDE TO DESIGN, PRODUCTION AND MAINTENANCE FOR ENGINEERS AND ARCHITECTS

CRC Press **Asphalt Pavements provides the know-how behind the design, production and maintenance of asphalt pavements and parking lots. Incorporating the latest technology, this book is the first to focus primarily on the design, production and maintenance of low-volume roads and parking areas. Special attention is given to determining the traffic capacity, required thickness and asphalt mixture type for parking applications. Topics covered include: material information such as binder properties, testing grading and selection; construction information such as mixing plant operation, proportioning, mixture placement and compaction; and design information such as thickness and mixture design methods and guidelines on applying these to highways, city streets and parking Areas. It is an essential practical guide aimed at those engineers and architects who are not directly involved in the asphalt industry, but who nonetheless need to have a good general knowledge of the subject. Asphalt Pavements provides a novice with enough information to completely design, construct and specify an asphalt pavement.**

INFORMATION AND COMMUNICATION TECHNOLOGY FOR DEVELOPMENT FOR AFRICA

SECOND INTERNATIONAL CONFERENCE, ICT4DA 2019, BAHIR DAR, ETHIOPIA, MAY 28-30, 2019, REVISED SELECTED PAPERS

Springer **This book constitutes the proceedings of the Second International Conference on Information and Communication Technology for Development for Africa, ICT4DA 2019, held in Bahir Dar, Ethiopia, in May 2019. The 29 revised full papers presented were carefully reviewed and selected from 69 submissions. The papers address the impact of ICT in fostering economic development in Africa. In detail they cover the following topics: artificial intelligence and data science; wireless and mobile computing; and Natural Language Processing.**

MICROCOMPUTED TOMOGRAPHY

METHODOLOGY AND APPLICATIONS

CRC Press **Due to the availability of commercial laboratory systems and the emergence of user facilities at synchrotron radiation sources, studies of microcomputed tomography or microCT have increased exponentially. MicroComputed Technology provides a complete introduction to the technology, describing how to use it effectively and understand its**

results. The first part of the book focuses on methodology, covering experimental methods, data analysis, and visualization approaches. The second part addresses various microCT applications, including porous solids, microstructural evolution, soft tissue studies, multimode studies, and indirect analyses. The author presents a sufficient amount of fundamental material so that those new to the field can develop a relative understanding of how to design their own microCT studies. One of the first full-length references dedicated to microCT, this book provides an accessible introduction to field, supplemented with application examples and color images.

BIODIESEL

FROM PRODUCTION TO COMBUSTION

Springer **This book presents in-depth information on the state of the art of global biodiesel production and investigates its impact on climate change. Subsequently, it comprehensively discusses biodiesel production in terms of production systems (reactor technologies) as well as biodiesel purification and upgrading technologies. Moreover, the book reviews essential parameters in biodiesel production systems as well as major principles of operation, process control, and trouble-shooting in these systems. Conventional and emerging applications of biodiesel by-products with a view to further economize biodiesel production are also scrutinized. Separate chapters are dedicated to economic risk analysis and critical comparison of biodiesel production systems as well as techno-economical aspects of biodiesel plants. The book also thoroughly investigates the important aspects of biodiesel production and combustion by taking advantage of advanced sustainability analysis tools including life cycle assessment (LCA) and exergy techniques. In closing, the application of Omics technologies in biodiesel production is presented and discussed. This book is relevant to anyone with an interest in renewable, more sustainable fuel and energy solutions.**

BMW 3 SERIES (F30, F31, F34) SERVICE MANUAL: 2012, 2013, 2014, 2015: 320I, 328I, 328D, 335I, INCLUDING XDRIVE

Bentley Publishers **The BMW 3 Series (F30, F31, F34) Service Manual: 2012-2015 contains in-depth maintenance, service and repair information for the BMW 3 Series from 2012 to 2015. The aim throughout has been simplicity and clarity, with practical explanations, step-by-step procedures and accurate specifications. Whether you're a professional or a do-it-yourself BMW owner, this manual helps you understand, care for and repair your 3 Series. Engines (Gasoline): N20 engine: 320i, 328i, including xDrive N26 (SULEV) engine: 328i including xDrive N55 engine: 335i, including xDrive**

E-LEARNING

CONCEPTS AND PRACTICE

SAGE **e-Learning is now an essential component of education. Globalization, the proliferation of information available on the Internet and the importance of knowledge-based economies have added a whole new dimension to teaching and learning. As more tutors, students and trainees, and institutions adopt online learning there is a need for resources that will examine and inform this field. Using examples from around the world, the authors of e-Learning: Concepts and Practices provide an in-depth examination of past, present and future e-learning approaches, and explore the implications of applying e-learning in practice. Topics include: - educational evolution - enriching the learning experience - learner empowerment - design concepts and considerations - creation of e-communities - communal constructivism This book is essential reading for anyone involved in technology enhanced learning systems, whether an expert or coming new to the area. It will be of particular relevance to those involved in teaching or studying for information technology in education degrees, in training through e-learning courses and with developing e-learning resources. Bryn Holmes is an assistant professor in Education at Concordia University, Montreal and director of an Internet company, Inishnet, which offers research and consultancy in online education. John Gardner is a professor of education at Queen's University, Belfast and his main research areas include policy and practice in information and communications technology in education.**