

Hf Transceivers Amsat Tapr Hpsdr American Arrl

[Diff in June The Boy Electrician Radio Communication Handbook The Boys' First Book of Radio and Electronics Amateur Radio HF Antennas SDR Software Defined Radio Editor & Publisher Software Defined Radio Software-Defined Radio for Engineers Mercurial: The Definitive Guide Morse Code for Radio Amateurs Solid State Design for the Radio Amateur Software Defined Radio The Debian Administrator's Handbook RF and Digital Signal Processing for Software-Defined Radio Canada's Fifty Years in Space Visual Studio Tools for Office 2007 Antenna Physics Fusion Plasma Diagnostics with mm-Waves Small and Short-Range Radar Systems Ionospheric Radio Propagation The ARRL Satellite Handbook Caldwell and Company Your Entry Into Amateur Radio Secrets of RF Circuit Design Australis OSCAR 5 Discrete-Signal Analysis and Design The Last Mermaid An Introduction to Hf Software Defined Radio HF Antennas for Everyone Pro LINQ in VB8 Wire Telegraphy Physics 8th Edition Volume 2 Chapters 18-32 with WP SA 5.0 Set Tune in the World with Ham Radio Australis OSCAR 5 International Microwave Handbook C# Deconstructed Computer Networking Handbook on Emergency Telecommunications The Geostationary Applications Satellite](#)

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The Geostationary Applications Satellite Jun 20 2019 Very Good, No Highlights or Markup, all pages are intact.

[Secrets of RF Circuit Design](#) Oct 05 2020 BUILD THE CIRCUITS THAT MAKE WIRELESS WORK If you like hands-on electronics, you'll love *Secrets of RF Circuit Design*, Third Edition, by Popular Electronics writer Joe Carr. This update of the favorite RF circuit guide of thousands of electronics enthusiasts takes you inside wireless technology with step-by-step, illustrated directions for dozens of usable projects. This super guide demonstrates RF theory as it shows you how to overcome the technical and materials challenges facing those who build real-world electronics. You learn how to design and build receiver circuits, RF bridges, amplifiers, receiver preselectors, simple spectrum analyzers, and time domain reflectometers. You get detailed insights into simple RF instruments, as well as UHF and microwave components...complete troubleshooting guidance...and handy parts lists and components sources. This new edition packs the latest information on directional and hybrid couplers, and seven new chapters on demodulators, circuit vectors, measuring L-C circuits, and filtering circuits against EMI. "...a great book on wireless technology for persons starting out in RF electronics, as well as for RF technicians and ham radio operators." ---Cotter W. Sayre, author of *The Complete RF Technician's Handbook* (Amazon.com review)

Mercurial: The Definitive Guide Jan 20 2022 This instructive book takes you step by step through ways to track, merge, and manage both open source and commercial software projects with Mercurial, using Windows, Mac OS X, Linux, Solaris, and other systems. Mercurial is the easiest system to learn when it comes to distributed revision control. And it's a very flexible tool that's ideal whether you're a lone programmer working on a small project, or part of a huge team dealing with thousands of files. Mercurial permits a countless variety

of development and collaboration methods, and this book offers several concrete suggestions to get you started. This guide will help you: Learn the basics of working with a repository, changesets, and revisions Merge changes from separate repositories Set up Mercurial to work with files on a daily basis, including which ones to track Get examples and tools for setting up various workflow models Manage a project that's making progress on multiple fronts at once Find and fix mistakes by isolating problem sources Use hooks to perform actions automatically in response to repository events Customize the output of Mercurial *Mercurial: The Definitive Guide* maintains a strong focus on simplicity to help you learn Mercurial quickly and thoroughly.

Morse Code for Radio Amateurs Dec 19 2021 Learn or improve your Morse code with this guide. CD includes software and MP3 files to help you practise Morse code.

[Pro LINQ in VB8](#) Mar 30 2020 LINQ is the project name for a set of extensions to the .NET Framework that provide a generic approach to querying data from different data sources. LINQ made its debut in Visual Studio 2008, and became a must-have skill for .NET developers. For more information about LINQ, you can check out www.linqdev.com. Starting with code and ending with code and tailored for the VB language, *Pro LINQ: Language Integrated Query in VB 2008* is a veritable treasury of LINQ examples that will save you hours, even days, of research time. Keeping you focused on the relevant LINQ principles, expert author Joseph Rattz, Jr., and VB specialist Dennis Hayes provide examples for complex models that you won't find anywhere else. In most books, you'll find plenty of simple examples to demonstrate how to use a method, but authors rarely show how to use the more complex prototypes. *Pro LINQ: Language Integrated Query in VB 2008* is different. Demonstrating the overwhelming majority of LINQ operators and prototypes, Joseph Rattz, Jr., and Dennis Hayes condense their extensive experience and

expertise into a desk companion that is essential for any serious .NET professional. Rather than obscure the relevant LINQ principles in code examples by focusing on a demonstration application you have no interest in writing, this book cuts right to the chase of each LINQ operator, method, or class. However, where complexity is necessary to truly demonstrate an issue, the examples are right there in the thick of it. For example, code samples demonstrating how to handle concurrency conflicts actually create concurrency conflicts so you can step through the code and see them unfold. Most books tell you about the simple stuff, while few books warn you of the pitfalls. Where *Pro LINQ: Language Integrated Query in VB 2008* returns your investment is in the hours, and sometimes days, spent by the authors determining why something may not work as expected. Sometimes this results in an innocent-looking paragraph that may take you a minute to read and understand, but took days to research and explain. Face it, most technical books while informative, are dull. LINQ need not be dull. Written with a sense of humor, this book will attempt to entertain you on your journey through the wonderland of LINQ and VB 2008.

C# Deconstructed Sep 23 2019 *C# Deconstructed* answers a seemingly simple question: Just what is going on, exactly, when you run C# code on the .NET Framework? To answer this question we will dig ever deeper into the structure of the C# language and the onion-skin abstraction layers of the .NET Framework that underpins it. We'll follow the execution thread downwards, first to MSIL (Microsoft Intermediate Language) then down through just-in-time compilation into Machine Code before finally seeing the results executed at the hardware level. The aim of this deep-dive is to provide you with a much more rounded knowledge of the environment within which your code exists. As a managed language, it's best-practice to let the Framework deal with device interaction but you'll find the experience of taking the cover off once in a while a very rewarding one that will

greatly enrich your appreciation of the C# language and the way in which it functions.

Software Defined Radio Mar 22 2022 Software defined radio (SDR) is one of the most important topics of research, and indeed development, in the area of mobile and personal communications. SDR is viewed as an enabler of global roaming and as a unique platform for the rapid introduction of new services into existing live networks. It therefore promises mobile communication networks a major increase in flexibility and capability. SDR brings together two key technologies of the last decade - digital radio and downloadable software. It encompasses not only reconfiguration of the air interface parameters of handset and basestation products but also the whole mobile network, to facilitate the dynamic introduction of new functionality and mass-customised applications to the user's terminal, post-purchase. This edited book, contributed by internationally respected researchers and industry practitioners, describes the current technological status of radio frequency design, data conversion, reconfigurable signal processing hardware, and software issues at all levels of the protocol stack and network. The book provides a holistic treatment of SDR addressing the full breadth of relevant technologies - radio frequency design, signal processing and software - at all levels. As such it provides a solid grounding for a new generation of wireless engineers for whom radio design in future will assume dynamic flexibility as a given. In particular it explores * The unique demands of SDR upon the RF subsystem and their implications for front end design methodologies * The recent concepts of the 'digital front end' and 'parametrization' * The role and key influence of data conversion technologies and devices within software radio, essential to robust product design * The evolution of signal processing technologies, describing new architectural approaches * Requirements and options for software download * Advances in 'soft' protocols and 'on-the-fly' software reconfiguration * Management of terminal reconfiguration and its network implications * The concepts of the waveform description language The book also includes coverage of * Potential breakthrough technologies, such as superconducting RSFQ technology and the possible future role of MEMS in RF circuitry * Competing approaches, eg all-software radios implemented on commodity computing vs advanced processing architectures that dynamically optimise their configuration to match the algorithm requirements at a point in time The book opens with an introductory chapter by Stephen Blust, Chair of the ITU-R WP8F Committee and Chair of the SDR Forum presenting a framework for SDR, in terms of definitions, evolutionary perspectives, introductory timescales and regulation. Suitable for today's engineers, technical staff and researchers within the wireless industry, the book will also appeal to marketing and commercial managers who need to understand the basics and potential of the technology for future product development. Its balance of industrial and academic contributors also makes it suitable as a text for graduate and post-graduate courses aiming to prepare the next generation of wireless engineers.

SDR Software Defined Radio May 24 2022

The ARRL Satellite Handbook Jan 08 2021

Discrete-Signal Analysis and Design Aug 03 2020 A clear, step-by-step approach to practical uses of discrete-signal analysis and design, especially for communications and radio engineers This book provides an introduction to discrete-time and discrete-frequency signal processing, which is rapidly becoming an important, modern way to design and analyze electronics projects of all kinds. It presents discrete-signal processing concepts from the perspective of an experienced electronics or radio engineer, which is especially meaningful for practicing engineers, technicians, and students. The approach is almost entirely mathematical, but at a level that is suitable for undergraduate curriculums and also for independent, at-home study using a personal computer. Coverage includes: First principles, including the Discrete Fourier Transform (DFT) Sine, cosine, and theta Spectral leakage and aliasing Smoothing and windowing Multiplication and convolution Probability and correlation Power spectrum Hilbert transform The accompanying CD-ROM includes Mathcad® v.14 Academic Edition, which is reproduced with permission and has no time limitation for use, providing users with a sophisticated and world-famous tool for a wide range of applied mathematics capabilities. Discrete-Signal Analysis and Design is written in an easy-to-follow, conversational style and supplies readers with a solid foundation for more advanced literature and software. It employs occasional re-examination and reinforcement of particularly important concepts, and each chapter contains self-study examples and full-page Mathcad® Worksheets, worked-out and fully explained.

Radio Communication Handbook Aug 27 2022

Solid State Design for the Radio Amateur Nov 18 2021

Tune in the World with Ham Radio Dec 27 2019

Your Entry Into Amateur Radio Nov 06 2020 "A unique and fascinating hobby, Amateur Radio involves millions of people around the world. The Foundation Licence is the stepping stone that put it within the reach of anyone, no matter what age or gender. ... This manual contains all the information needed for the Foundation Licence is an easy to use and understand format. It is not simply a textbook: it provides insight into technical basics, receivers, transmitters, how radio waves travel, antennas and band planning. ... The aim is to help you operate an amateur station safely and with the correct procedure."--Back cover.

Editor & Publisher Apr 23 2022 The fourth estate.

Computer Networking Aug 23 2019 Hands-on networking experience, without the lab! The best way to learn about network protocols is to see them in action. But that doesn't mean that you need a lab full of networking equipment. This revolutionary text and its accompanying CD give readers realistic hands-on experience working with network protocols, without requiring all the routers, switches, hubs, and PCs of an actual network. Computer Networking: Internet Protocols in Action provides packet traces of real network activity on CD. Readers open the trace files using Ethereal, an open source network protocol analyzer, and follow the text to perform the exercises, gaining a thorough understanding of the material by seeing it in action. Features

* Practicality: Readers are able to learn by doing, without having to use actual networks. Instructors can add an active learning component to their course without the overhead of collecting the materials. * Flexibility: This approach has been used successfully with students at the graduate and undergraduate levels. Appropriate for courses regardless of whether the instructor uses a bottom-up or a top-down approach. * Completeness: The exercises take the reader from the basics of examining quiet and busy networks through application, transport, network, and link layers to the crucial issues of network security.

Diff in June Oct 29 2022 "Diff in June" tells a day in the life of a personal computer, written by itself in its own language, as a sort of private log or intimate diary focused on every single change to the data on its hard disk. Using a small custom script, for the entire month of June 2011 Martin Howse registered each chunk of data which had changed within the file system from the previous day's image. Excluding binary data, one day's sedimentation has been published in this book, a novel of data archaeology in progress tracking the overt and the covert, merging the legal and illegal, personal and administrative, source code and frozen systematics. Martin Howse (London 1969 - www.1010.co.uk) is a programmer, writer, performer and explorer. He is a co-founder of micro-research, a mobile platform for psychogeophysical research with ongoing projects in Berlin, London, Suffolk and Peenemuende. Over the last ten years he has workshopped, performed, lectured and exhibited worldwide.

Software Defined Radio Oct 17 2021 Software defined radio (SDR) is a hot topic in the telecommunications field, with regard to wireless technology. It is one of the most important topics of research in the area of mobile and personal communications. SDR is viewed as the enabler of global roaming and a platform for the introduction of new technologies and services into existing live networks. It therefore gives networks a greater flexibility into mobile communications. It bridges the inter-disciplinary gap in the field as SDR covers two areas of development, namely software development and digital signal processing and the internet. It extends well beyond the simple re-configuration of air interface parameters to cover the whole system from the network to service creation and application development. Reconfigurability entails the pervasive use of software reconfiguration, empowering upgrades or patching of any element of the network and of the services and applications running on it. It cuts across the types of bearer radio systems (Paging to cellular, wireless local area network to microwave, terrestrial to satellite, personal communications to broadcasting) enable the integration of many of today's disparate systems in the same hardware platform. Also it cuts across generation (second to third to fourth). This volume complements the already published volumes 1 and 2 of the Wiley Series in Software Radio. The book discusses the requirements for reconfigurability and then introduces network architectures and functions for reconfigurable terminals. Finally it deals with reconfiguration in the network. The book also provides a comprehensive view on reconfigurability in three very active research projects as CAST, MOBIVAS and TRUST/SCOUT.

Key features include: Presents new research in wireless communications Summarises the results of an extensive research program on software defined radios in Europe Provides a comprehensive view on reconfigurability in three very active research projects as CAST (Configurable radio with Advanced Software Technology), MOBIVAS (Downloadable MOBILE Value Added Services through Software Radio and Switching Integrated Platforms), TRUST (Transparently Re-configurable Ubiquitous Terminal) and SCOUT (Smart User-Centric Communication Environment).

Antenna Physics May 12 2021

RF and Digital Signal Processing for Software-Defined Radio

Aug 15 2021 Understand the RF and Digital Signal Processing Principles Driving Software-defined Radios! Software-defined radio (SDR) technology is a configurable, low cost, and power efficient solution for multimode and multistandard wireless designs. This book describes software-defined radio concepts and design principles from the perspective of RF and digital signal processing as performed within this system. After an introductory overview of essential SDR concepts, this book examines signal modulation techniques, RF and digital system analysis and requirements, Nyquist and oversampled data conversion techniques, and multirate digital signal processing..
KEY TOPICS •Modulation techniques Master analog and digital modulation schemes •RF system-design parameters Examine noise and link budget analysis and Non-linear signal analysis and design methodology •Essentials of baseband and bandpass sampling and gain control IF sampling architecture compared to traditional quadrature sampling, Nyquist zones, automatic gain control, and filtering •Nyquist sampling converter architectures Analysis and design of various Nyquist data converters •Oversampled data converter architectures Analysis and design of continuous-time and discrete-time Delta-Sigma converters •Multirate signal processing Gain knowledge of interpolation, decimation, and fractional data rate conversion *Offers readers a powerful set of analytical and design tools *Details real world designs *Comprehensive coverage makes this a must have in the RF/Wireless industry

Visual Studio Tools for Office 2007 Jun 13 2021 Visual Studio Tools for Office 2007: VSTO for Excel, Word, and Outlook is the definitive book on VSTO 2008 programming, written by the inventors of the technology. VSTO is a set of tools that allows professional developers to use the full power of Microsoft Visual Studio 2008 and the .NET Framework to program against Microsoft Office 2007. This book delivers in one place all the information you need to succeed using VSTO to program against Word 2007, Excel 2007, and Outlook 2007, and provides the necessary background to customize Visio 2007, Publisher 2007, and PowerPoint 2007. It introduces the Office 2007 object models, covers the most commonly used objects in those object models, and will help you avoid the pitfalls caused by the COM origins of the Office object models. Developers who wish to program against Office 2003 should consult Carter and Lippert's previous book, Visual Studio Tools for Office. In VSTO 2008, you can build add-ins for all the major Office 2007 applications, build application-level custom task

panes, customize the new Office Ribbon, modify Outlook's user interface using Form Regions, and easily deploy everything you build using ClickOnce. Carter and Lippert cover their subject matter with deft insight into the needs of .NET developers learning VSTO, based on the deep knowledge that comes from the authors' unique perspective of living and breathing VSTO for the past six years. This book Explains the architecture of Microsoft Office programming and introduces the object models Covers the main ways Office applications are customized and extended Explores the ways of customizing Excel, Word, and Outlook, and plumbs the depths of programming with their events and object models Introduces the VSTO programming model Teaches how to use Windows Forms and WPF in VSTO and how to work with the Document Actions Pane and application-level task panes Delves into VSTO data programming and server data scenarios Teaches ClickOnce VSTO deployment This is the one book you need to succeed in programming against Office 2007. C# and Visual Basic .NET Code samples for download can be found here:

<http://www.informit.com/store/product.aspx?isbn=0321533216>

Australis OSCAR 5 Nov 25 2019 In the 1960s, a group of University of Melbourne Science and Engineering students and one Law student banded together to build a satellite in their spare time. You are invited to the launch of a book that records the journey of those students as they built Australis OSCAR 5 and had it launched into orbit by NASA in January 1970. Australis operated successfully for nearly two months before its batteries ran out. It was the first satellite built in Australia and achieved a number of important technical milestones, including over a dozen world firsts. Then, nearly fifty years later, another group of students, also from the University of Melbourne decided that they too would build a small satellite. Operating in a very different technical, social and regulatory environment and with remarkably similar goals, the team built their cubesat. As if to celebrate the anniversary year of Australis' launch in 1970, ACRUX-1 was launched from New Zealand in 2019.

Canada's Fifty Years in Space Jul 14 2021 International space science began suddenly with the creation of COSPAR (Committee on Space Research) in October, 1958, and its first plenary meeting was held in London, in November the same year. Canada was at the table for both the creation and the first plenary meeting. This book describes the parallel growth of the Canadian space science program from that date up to the 50th Anniversary of COSPAR, to be celebrated in Montreal in July 2008. This work relates the history of ground-based activity that placed Canada at the forefront of nations with knowledge of space in 1958, gained primarily through observations of the aurora borealis by optical and radar methods. By the time of the International Geophysical Year, 1957-58, Canada was well established in this research and had built its own rocket payloads. During the sixties this activity increased tenfold with the inception of the Alouette/ISIS satellite missions in 1962, and a vigorous rocket program conducted at Fort Churchill and elsewhere. After the last Defence Research Board satellite, ISIS-11, was launched in 1971 the program changed direction; the National Research Council maintained the rocket

program at a lower level and space opened up for Canadian instruments on international spacecraft leading to some highly successful missions. Long overdue, the Canadian Space Agency was established in 1989 and is now leading a more mature program including Canada's first scientific mission since ISIS-11 (SCISAT-1), the Earth-observing Radarsat-1 and a strong astronaut program. The final achievement of the fifty years is a Canadian-built lidar that is part of the NASA Phoenix mission and is on its way to Mars, destined to land there in May 2008.

Handbook on Emergency Telecommunications Jul 22 2019

Software-Defined Radio for Engineers Feb 21 2022 Based on the popular Artech House classic, Digital Communication Systems Engineering with Software-Defined Radio, this book provides a practical approach to quickly learning the software-defined radio (SDR) concepts needed for work in the field. This up-to-date volume guides readers on how to quickly prototype wireless designs using SDR for real-world testing and experimentation. This book explores advanced wireless communication techniques such as OFDM, LTE, WLA, and hardware targeting. Readers will gain an understanding of the core concepts behind wireless hardware, such as the radio frequency front-end, analog-to-digital and digital-to-analog converters, as well as various processing technologies. Moreover, this volume includes chapters on timing estimation, matched filtering, frame synchronization message decoding, and source coding. The orthogonal frequency division multiplexing is explained and details about HDL code generation and deployment are provided. The book concludes with coverage of the WLAN toolbox with OFDM beacon reception and the LTE toolbox with downlink reception. Multiple case studies are provided throughout the book. Both MATLAB and Simulink source code are included to assist readers with their projects in the field.

Physics 8th Edition Volume 2 Chapters 18-32 with WP SA 5.0 Set Jan 28 2020

The Boys' First Book of Radio and Electronics Jul 26 2022

Caldwell and Company Dec 07 2020 This is the fascinating, detailed account of the rise and fall of the largest banking house ever before established in the South, whose financial misfeasance during the prosperous twenties led to its eventual collapse and brought ruin to numerous innocent investors. Caldwell and Company was founded in Nashville in 1917 by Rogers Caldwell, the son of a leading local banker and businessman. Beginning as a small underwriter and distributor of Southern municipal bonds, the firm soon branched out into real estate bonds and industrial securities as well. Control of important banks in Tennessee and Arkansas was acquired; newspapers, and even Nashville's professional baseball team, came under the firm's ownership. Caldwell and Company was, truly, a pioneer conglomerate. Caldwell and Company also ventured into the realm of politics, supporting certain politicians (notably Colonel Luke Lea) with questionable benefits accruing to the firm, including substantial state deposits in Caldwell's Bank of Tennessee. In November 1930 the firm went into receivership. Unethical practices, including overextension in the acquisition of banks, insurance companies, and other business, had

already strain Caldwell and Company's assets. With the 1929 collapse of stock prices, Rogers Caldwell could not meet the company's obligations, and he began to squeeze all available cash from the various controlled firms. He also negotiated a merger between Caldwell and Company and Banco-Kentucky Company of Louisville—a transaction which must stand as one of the strangest deals in the annals of American business. Even the aforementioned State of Tennessee deposits, which helped float his empire for a while, could not prevent its collapse—a collapse which resulted in a multi-million dollar loss to Tennessee's Treasury, public hysteria, and clamor for the impeachment of the Governor of Tennessee. Originally Published in 1939, this edition includes a new introduction in which the author comments on the long-run implications of the Caldwell episode and reports the outcome of legal actions, both civil and criminal, still pending at the time the book was first published.

Amateur Radio HF Antennas Jun 25 2022 The contents of this book are mostly aimed at the amateur radio beginner and aspiring ones. Therefore, this book provides answers to basic questions like: What is the best HF antenna for my needs and location? What type of stand-alone antenna tuner should I use and which should I avoid? How can I hide my HF antenna from the neighbors and still get acceptable performance from it? What about lightning protection? This book will supply immediately useful answers to the above questions and many more. A properly designed and installed amateur radio HF antenna system can potentially make the humblest ham radio equipment perform like stations worth thousands of dollars. We are confident that the antenna experimenter will find the information given here priceless. Furthermore, any ham radio operator, armed with the information this book contains, will become a much better informed buyer of commercially made HF antenna systems and accessories. This special compendium edition is published in response to ham radio operators who wrote to ask that all the basic information, on and related to amateur radio HF antennas, be made available in one book instead of four, arguing that it would be more convenient. The author and publisher agree. Therefore this edition contains the complete four-book series on Amateur Radio HF Antennas published by Claude Jollet, VE2DPE.

The Boy Electrician Sep 28 2022

Ionospheric Radio Propagation Feb 09 2021

Australis OSCAR 5 Sep 04 2020 In the 1960s, a group of University of Melbourne Science and Engineering students banded together to build a satellite in their spare time. Share the journey of those students as they built Australis OSCAR 5 and had it launched into orbit by NASA in January 1970. Australis operated successfully for nearly two months before its batteries ran out. It was the first satellite built in Australia and achieved a number of important technical milestones, including over a dozen world firsts.

The Last Mermaid Jul 02 2020 Shana Abé has entranced countless

readers with her passion-filled novels of adventure, intrigue, and romance. Now the author of *The Secret Swan* delivers a gift from the sea: three hauntingly beautiful tales connected by a legend, a locket, and a love beyond time. 531 a.d.: The tiny island of Kell is said to be enchanted, inhabited by an extraordinary creature who comforts shipwrecked sailors passing into the next world. Prince Aedan of the Isles believes in no such nonsense—until he awakens on Kell itself and meets the sensuous siren who rescued him from the sea. 1721: Ronan MacMhuirich, Earl of Kell, is the target of an unlikely assassin: Leila, a mysterious woman from an exotic land. But his irresistibly beautiful would-be slayer is in just as much danger as Ronan when she falls for this man with a magic of his own. 2004: What do you do when you inherit a Scottish island you never knew existed—and find yourself pursued by a handsome stranger who wants to buy it from you? That's what happens to Ruri Kell when she accepts Iain MacInnes's invitation to visit her birthright, and listens to a proposition as sinfully tempting as everything else about him. Three seductive love stories, three passionate couples, all linked by one of the most romantic myths of all.

Wire Telegraphy Feb 27 2020

International Microwave Handbook Oct 25 2019

The Debian Administrator's Handbook Sep 16 2021 Debian GNU/Linux, a very popular non-commercial Linux distribution, is known for its reliability and richness. Built and maintained by an impressive network of thousands of developers throughout the world, the Debian project is cemented by its social contract. This foundation text defines the project's objective: fulfilling the needs of users with a 100% free operating system. The success of Debian and of its ecosystem of derivative distributions (with Ubuntu at the forefront) means that an increasing number of administrators are exposed to Debian's technologies. This Debian Administrator's Handbook, which has been entirely updated for Debian 8 "Jessie", builds on the success of its 6 previous editions. Accessible to all, this book teaches the essentials to anyone who wants to become an effective and independent Debian GNU/Linux administrator. It covers all the topics that a competent Linux administrator should master, from installation to updating the system, creating packages and compiling the kernel, but also monitoring, backup and migration, without forgetting advanced topics such as setting up SELinux or AppArmor to secure services, automated installations, or virtualization with Xen, KVM or LXC. This book is not only designed for professional system administrators. Anyone who uses Debian or Ubuntu on their own computer is de facto an administrator and will find tremendous value in knowing more about how their system works. Being able to understand and resolve problems will save you invaluable time. Learn more about the book on its official website: debian-handbook.info

HF Antennas for Everyone Apr 30 2020

An Introduction to Hf Software Defined Radio Jun 01 2020 Software

defined radio is an exciting development for amateur radio and listening on the short wave bands. It combines the power of modern computers with advances in radio technology. But you don't have to be a 'Boffin' to use and understand it. These new radios offer many new operating features and high levels of performance which will enhance your enjoyment of our radio hobby. This book explains how SDR works and how well it performs. It is not a programming or software guide. There is a minimal amount of mathematics and hardly any software code. The book is for amateur radio operators and anyone who wants a technical introduction to software defined radio receivers and transceivers, for the high frequency and short wave bands. Most of the concepts are illustrated with helpful diagrams and pictures. It covers; the different types of SDR, how they work, tests used to measure their performance, the components of a typical direct conversion SDR, code in the FPGA, and the elements making up SDR software for the PC. **Small and Short-Range Radar Systems** Mar 10 2021 Radar Expert, Esteemed Author Gregory L. Charvat on CNN and CBS Author Gregory L. Charvat appeared on CNN on March 17, 2014 to discuss whether Malaysia Airlines Flight 370 might have literally flown below the radar. He appeared again on CNN on March 20, 2014 to explain the basics of radar, and he explored the hope and limitations of the technology involved in the search for Flight 370 on CBS on March 22, 2014. Get His Book Now Coupling theory with reality, from derivation to implementation of actual radar systems, Small and Short-Range Radar Systems analyzes and then provides design procedures and working design examples of small and short-range radar systems. Discussing applications from automotive to through-wall imaging, autonomous vehicle, and beyond, the practical text supplies high-level descriptions, theoretical derivations, back-of-envelope calculations, explanations of processing algorithms, and case studies for each type of small radar system covered, including continuous wave (CW), ultrawideband (UWB) impulse, linear frequency modulation (FM), linear rail synthetic aperture radar (SAR), and phased array. This essential reference: Explains how to design your own radar devices Demonstrates how to process data from small radar sensors Provides real-world, measured radar data to test algorithms before investing development time Complete with downloadable MATLAB® scripts and actual radar measurements, Small and Short-Range Radar Systems empowers you to rapidly develop small radar technology for your application.

Fusion Plasma Diagnostics with mm-Waves Apr 11 2021 Filling a gap in the literature, this introduction to the topic covers the physics of the standard microwave diagnostics established on modern fusion experiments, and the necessary technological background from the field of microwave engineering. Written by well-known mm-wave diagnosticians in the field of fusion physics, the textbook includes such major diagnostic techniques as electron cyclotron emission, interferometry, reflectometry, polarimetry, and scattering.