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From the FAA, the only handbook you need to learn to fly a powered parachute.

Kate Winter teaches dog owners how to train their canine companions. During her spare time, accompanied by her Lab, Dakota, she explores the woods and beaches on foot or horseback. She's worried that something's happening in her relationship, but she can't get her girlfriend Trish to talk to her about it. Faith Hutchins recently lost her sight after a terrible outdoor accident. She's dealt with her anger, depression, and blindness primarily on her own. A seeing-eye dog would help alleviate her reliance on anyone else, but the guide dog school has been unsuccessful in providing her with one. On a mission to find someone who will train a dog specifically for her, she ultimately zeroes in on Kate.

They say lightning never strikes the same place twice. But positive lightning is notoriously unpredictable and can ignite a fire when and where least expected . . . no matter who's in its path."

The fast and easy way to pick out, set up, and learn to fly your drone Ready to soar into the world of unmanned aircraft? Drones For Dummies introduces you to the fascinating world of UAVs. Written in plain English and brimming with friendly instruction, Drones For Dummies provides you with the information you need to find and purchase the right drone for your needs, examples of ways to use a drone, and even drone etiquette and the laws and regulations governing consumer drone usage. Plus, you'll discover the basics of flight, including how to

use a drone to capture photos and video. Originally designed to assist in military and special operations applications, the use of drones has expanded into the public service sector and the consumer market for people looking to have a good time flying an aircraft remotely. Drones For Dummies covers everything you need to know to have fun with your UAV, and is packed with cool ways to expand your drone's use beyond simply flying. Pick the perfect drone to suit your needs Properly set up and fly a drone Use a drone to capture images and footage with a camera Tips for maintaining your drone If you're interested in the exciting new technology of unmanned aircraft vehicles, Drones For Dummies helps you take flight.

CD-ROM contains full text for all the procedures available in the manual. Files are provided both as fully formatted Word 6.0 (.doc) documents and as text-only documents (.txt).

An introduction to linear time playing. The first section contains basic exercises for linear playing skills: voice coordination, dynamic balance, accenting, and more. The second section deals with the development of time feels in the linear style, including 4/4, half-time, shuffle, and odd meter feels.

Computer-aided design (CAD) and rapid prototyping (RP) are now a fundamental part of the professional practice of product design and are therefore essential skills for product design undergraduate students. This book provides students with all the tools needed to get to grips with the range of both CAD software and RP processes used in the industry. Presented in a visually

engaging format, this book is packed with case study examples from contemporary product designers, as well as screen shots, CAD models and images of rapid prototypes highlighting the design process. This book shows how CAD and RP software is used in product design and explains, in clear language, the similarities and differences between the different software packages and processes.

FSR, the International Conference on Field and Service Robotics, is a robotics Symposium which has established over the past ten years the latest research and practical results towards the use of field and service robotics in the community with particular focus on proven technology. The first meeting was held in Canberra, Australia, in 1997. Since then the meeting has been held every two years in the pattern Asia, America, Europe. Field robots are non-factory robots, typically mobile, that operate in complex and dynamic environments; on the ground (of earth or planets), under the ground, underwater, in the air or in space. Service robots are those that work closely with humans to help them with their lives. This book present the results of the ninth edition of Field and Service Robotics, FSR13, held in Brisbane, Australia on 9th-11th December 2013. The conference provided a forum for researchers, professionals and robot manufactures to exchange up-to-date technical knowledge and experience. This book offers a collection of a broad

range of topics including: Underwater Robots and Systems, Unmanned Aerial Vehicles technologies and applications, Agriculture, Space, Search and Rescue and Domestic Robotics, Robotic Vision, Mapping and Recognition.

The controversial New York City police commissioner and New York Times bestselling author of The Lost Son shares the story of his fall from grace and the effects of his incarceration on his views of the American justice system. Bernard Kerik was New York City's police commissioner during the 9/11 attacks, and became an American hero as he led the NYPD through rescue and recovery efforts of the World Trade Center. His résumé as a public servant is long and storied, and includes receiving a Medal of Honor. In 2004, Kerik was nominated by George W. Bush to head the Department of Homeland Security. Now, he is a former Federal Prison Inmate known as #84888-054. Convicted of tax fraud and false statements in 2007, Kerik was sentenced to four years in federal prison. Now, for the first time, he talks candidly about what it was like on the inside: the torture of solitary confinement, the abuse of power, the mental and physical torment of being locked up in a cage, the powerlessness. With newfound perspective, Kerik makes a plea for change and illuminates why our punishment system doesn't always fit the crime. In this extraordinary memoir, Kerik reveals his unprecedented view of the

American penal system from both sides: as the jailer and the jailed. With astonishing candor, bravery, and insider's intelligence, Bernard Kerik shares his fall from grace to incarceration, and turns it into a genuine and uniquely insightful argument for criminal justice reform.

This work explores the historical, ideological, and social foundations of environmental opposition movements in the USA. Employing a theoretical framework, the book provides an investigation of the connections between corporate interests, private individuals and advocacy groups.

In early modern England, religious sorrow was seen as a form of spiritual dialogue between the soul and God, expressing how divine grace operates at the level of human emotion. Through close readings of both Protestant and Catholic poetry, Kuchar explains how the discourses of 'devout melancholy' helped generate some of the most engaging religious verse of the period. From Robert Southwell to John Milton, from Aemilia Lanyer to John Donne, the language of 'holy mourning' informed how poets represented the most intimate and enigmatic aspects of faith as lived experience. In turn, 'holy mourning' served as a way of registering some of the most pressing theological issues of the day. By tracing poetic representations of religious sorrow from Crashaw's devotional verse to Shakespeare's weeping kings, Kuchar expands our understanding of the interconnections between

poetry, theology and emotion in post-Reformation England.

This book constitutes the refereed proceedings of the second International Conference on Biomimetic and Biohybrid Systems, Living Machines 2013, held in London, UK, in July/August 2013. The 65 revised full papers presented were carefully reviewed and selected from various submissions. The papers are targeted at the intersection of research on novel live-like technologies inspired by scientific investigation of biological systems, biomimetics, and research that seeks to interface biological and artificial systems to create biohybrid systems

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The FAO-ITU E-agriculture strategy guide (available at

http://www.fao.org/3/a-i5564e.pdf) is actively being used to assist countries in the successful identification, development and implementation of sustainable ICT solutions for agriculture.The use of unmanned aerial vehicles (UAVs), also known as drones, and connected analytics has great potential to support and address some of the most pressing problems faced by agriculture in terms of access to actionable real-time quality data. Goldman Sachs predicts that the agriculture sector will be the second largest user of drones in the world in the next five years. Sensor networks based on the Internet of things (IoT) are increasingly being used in the agriculture sector to meet the challenge of harvesting meaningful and actionable information from the big data generated by these systems. This publication is the second in the series titled E-agriculture in action (2016), launched by FAO and ITU, and builds on the previous FAO publications that highlight the use of ICT for agriculture such as Mobile technologies for agriculture and rural development (2012), Information and communication technologies for agriculture and rural development (2013) and Success stories on information and communication technologies for agriculture and rural development (2015). The ultimate aim is to promote successful, scalable, sustainable and replicable ICT for agriculture (ICT4Ag) solutions.

A comprehensive guide to the RTL2832U RTL-SDR software defined radio by the authors of the RTL-SDR Blog. The RTL-SDR is a super cheap software defined radio based on DVB-T TV dongles that can be found for under $20. This book is about tips and tutorials that show you how to get the most out of your RTL-SDR dongle. Most projects described in this book are also compatible with other wideband SDRs such as the HackRF, Airspy and SDRPlay RSP. What's in the book? Learn how to set up your RTL-SDR with various free software defined radio programs such as SDR#, HDSDR, SDR-Radio

and more. Learn all the little tricks and oddities that the dongle has. A whole chapter dedicated to improving the RTL-SDR's performance. Dozens of tutorials for fun RTL-SDR based projects such as ADS-B aircraft radar, AIS boat radar, ACARS decoding, receiving NOAA and Meteor-M2 weather satellite images, listening to and following trunked radios, decoding digital voice P25/DMR signals, decoding weather balloon telemetry, receiving DAB radio, analysing GSM and listening to TETRA signals, decoding pagers, receiving various HF signals such as ham radio modes, weatherfax and DRM radio, decoding digital D-STAR voice, an introduction to GNU Radio, decoding RDS, decoding APRS, measuring filters and SWR with low cost equipment, receiving Inmarsat, Outernet and Iridium L-Band satellite data, and many many more projects! Guide to antennas, cables and adapters. Third Edition Released 20 December 2016.

Biological and Environmental Hazards, Risks, and Disasters provides an integrated look at major impacts to the Earth's biosphere. Many of these are caused by diseases, algal blooms, insects, animals, species extinction, deforestation, land degradation, and comet and asteroid strikes that have important implications for humans. This volume, from Elsevier's Hazards and Disasters Series, provides an in-depth view of threats, ranging from microscopic organisms to celestial objects. Perspectives from both natural and social sciences provide an in-depth understanding of potential impacts. Contributions from expert ecologists, environmental, biological, and agricultural scientists, and public health specialists selected by a world-renowned editorial board Presents the latest research on damages, causality, economic impacts, fatality rates, and preparedness and mitigation Contains tables, maps, diagrams, illustrations, and photographs of hazardous processes

Provides information about components, including batteries,

capacitors, diodes, and switches.

After her nightmarish recovery from a serious car accident, Faye gets horrible news from her doctor, and it hits her hard like a rock: she can't bear children. In extreme shock, she breaks off her engagement, leaves her job and confines herself in her family home. One day, she meets her brother's best friend , and her soul makes a first step to healing.

THE DEFINITIVE SPAWN COLLECTION IS HERE! Featuring the stories and artwork (by Todd McFarlane himself) that laid the groundwork for the most successful independent comic book ever published, Spawn Origins Collection: Deluxe Edition Voume 1 includes the classic Spawn stories written by Alan Moore, Frank Miller, and Grant Morrison in one massive slipcase volume! Collects Spawn #1-25.

This highly practical resource provides you with thorough working knowledge of the micro-Doppler effect in radar, including its principles, applications and implementation with MATLAB codes. The book presents code for simulating radar backscattering from targets with various motions, generating micro-Doppler signatures, and analyzing the characteristics of targets. You find detailed descriptions of the physics and mathematics of the Doppler and micro-Doppler effect. Moreover, you learn how to derive rigid and non-rigid body motion induced micro-Doppler effect in radar scattering. The book provides a wide range of clear examples, including an oscillating pendulum, a spinning and precession heavy top, rotating rotor blades of a helicopter, rotating wind-turbine blades, a person walking with

swinging arms and legs, a flying bird, and movements of quadruped animals.

This book concentrates on the processing and application of radar micro-Doppler signatures in real world situations, providing readers with a good working knowledge on a variety of applications of radar micro-Doppler signatures. Topics covered include; bistatic/multistatic micro-Doppler signatures, decomposition of micro-Doppler signatures, through-wall radar micro-Doppler signatures and ultrasound micro-Doppler signature studies. Real world applications discussed include: detection, tracking and discrimination of targets with movements; analysis and identifying human movement; analysis and identifying helicopters; detection and tracking small boats in sea; analysis of wind turbines. --

Learn how to program with Python from beginning to end. This book is for beginners who want to get up to speed quickly and become intermediate programmers fast!

The concept of remote sensing as a way of capturing information from an object without making contact with it has, until recently, been exclusively focused on the use of Earth observation satellites. The emergence of unmanned aerial vehicles (UAV) with Global Navigation Satellite System (GNSS) controlled navigation and sensor-carrying capabilities has increased the number of publications related to new remote sensing from much closer

distances. Previous knowledge about the behavior of the Earth's surface under the incidence different wavelengths of energy has been successfully applied to a large amount of data recorded from UAVs, thereby increasing the special and temporal resolution of the products obtained. More specifically, the ability of UAVs to be positioned in the air at pre-programmed coordinate points; to track flight paths; and in any case, to record the coordinates of the sensor position at the time of the shot and at the pitch, yaw, and roll angles have opened an interesting field of applications for low-altitude aerial photogrammetry, known as UAV photogrammetry. In addition, photogrammetric data processing has been improved thanks to the combination of new algorithms, e.g., structure from motion (SfM), which solves the collinearity equations without the need for any control point, producing a cloud of points referenced to an arbitrary coordinate system and a full camera calibration, and the multi-view stereopsis (MVS) algorithm, which applies an expanding procedure of sparse set of matched keypoints in order to obtain a dense point cloud. The set of technical advances described above allows for geometric modeling of terrain surfaces with high accuracy, minimizing the need for topographic campaigns for georeferencing of such products. This Special Issue aims to compile some applications realized thanks to the synergies established between

new remote sensing from close distances and UAV photogrammetry.

Biomimetic and Biohybrid SystemsSecond International Conference, Living Machines 2013, London, UK, July 29 -- August 2, 2013, ProceedingsSpringer

This fascinating volume brings together leading specialists, whohave analyzed the thoughts and records documenting the worldviewsof a wide range of pre-modern societies. Presents evidence from across the ages; from antiquity throughto the Age of Discovery Provides cross-cultural comparison of ancient societies aroundthe globe, from the Chinese to the Incas and Aztecs, from theGreeks and Romans to the peoples of ancient India Explores newly discovered medieval Islamic materials

All you need to know to make and fly your very own flying machine. Packed with information and photographs.

This book explores how to work with MicroPython development for ESP8266 modules and boards such as NodeMCU, SparkFun ESP8266 Thing and Adafruit Feather HUZZAH with ESP8266 WiFi. The following is highlight topics in this book * Preparing Development Environment * Setting Up MicroPython * GPIO Programming * PWM and Analog Input * Working with I2C * Working with UART * Working with SPI * Working with DHT Module

By quadrupling the number of people behind bars in two decades, the United States has become the world leader

in incarceration. Much has been written on the men who make up the vast majority of the nation's two million inmates. But what of the women they leave behind? Doing Time Together vividly details the ways that prisons shape and infiltrate the lives of women with husbands, fiancés, and boyfriends on the inside. Megan Comfort spent years getting to know women visiting men at San Quentin State Prison, observing how their romantic relationships drew them into contact with the penitentiary. Tangling with the prison's intrusive scrutiny and rigid rules turns these women into "quasi-inmates," eroding the boundary between home and prison and altering their sense of intimacy, love, and justice. Yet Comfort also finds that with social welfare weakened, prisons are the most powerful public institutions available to women struggling to overcome untreated social ills and sustain relationships with marginalized men. As a result, they express great ambivalence about the prison and the control it exerts over their daily lives. An illuminating analysis of women caught in the shadow of America's massive prison system, Comfort's book will be essential for anyone concerned with the consequences of our punitive culture.

BUILD YOUR OWN REMOTE-CONTROLLED AIRPLANES QUICKLY, EASILY, AND INEXPENSIVELY! Take to the skies with a majestic motorized model aircraft you create and pilot yourself. Written by the founder of the Brooklyn Aerodrome, DIY RC Airplanes from Scratch shows you how to build a Flack (Flying + Hack) delta wing from the ground up using widely available, low-cost materials and tools.

You'll also learn the skills you need to get your plane into the air and keep it there. By the end of the book, you'll be able to create your own customized designs. The sky's the limit! Discover how to: Select the components you'll need and get them at a low cost Build a sturdy deck and secure all of your airplane's electronics to it Construct the airframe with the proper trim and center of gravity Learn to fly--one crash at a time Diagnose and repair your airplane Decorate your aircraft for dazzling daytime flights Illuminate a night flyer with otherworldly effects Experiment with unique airframe shapes, including the Flying Heart, the Bat, and the Manta Ray Learn the basics of aerodynamics Devise, build, and fly your own unique designs Companion videos available at http://brooklynaerodrome.com/bible

This book is a biographical study of the geographer/explorer and banker Francis Rodd, the second Lord Rennell of Rodd (1895-1978). Rodd's life is interesting for the way it connected the worlds of geography, international finance, politics, espionage, and wartime military administration. He was famous in the 1920s for his journeys to the Sahara and his study of the Tuareg, People of the Veil (1926). A career in banking included a stint at the Bank of England, before he became a Partner in the merchant bank Morgan Grenfell--where remained for most of his working life (1933-1961). During the war he worked for the Ministry of Economic Warfare (1939=40), before getting closely involved in the sphere of military government (civil affairs). In 1942, he was War Office's Chief Political Officer in East Africa. He was then appointed head of the

first Allied Military Government in occupied Europe (Chief Civil Affairs Officer of AMGOT). In civil affairs, he was drawn to the principles of indirect rule. A generalist in an age of growing specialisation, he was also a mixture of traditionalist and moderniser. A product of Eton and Balliol College, Oxford, and elevated to the peerage in 1941, he was well-connected socially, and his life is a window onto British society at a time of great change.