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Popular Photography CRC Press

Completely updated guide for students, scientists and engineers who want to use Microsoft Excel 2013 to its full potential. Electronic spreadsheet analysis has become part of the everyday work of researchers in all areas of engineering and science. Microsoft Excel, as the industry standard spreadsheet, has a range of scientific functions that can be utilized for the modeling, analysis and presentation of quantitative data. This text provides a straightforward guide to using these functions of Microsoft Excel, guiding the reader from basic principles through to more complicated areas such as formulae, charts, curve-fitting, equation solving, integration, macros, statistical functions, and presenting quantitative data. Content written specifically for the requirements of science and engineering students and professionals working with Microsoft Excel, brought fully up to date with the new Microsoft Office release of Excel 2013. Features of Excel 2013 are illustrated through a wide variety of examples based in technical contexts, demonstrating the use of the program for analysis and presentation of experimental results. New to this edition: The Backstage is introduced (a new Office 2013 feature); all the 'external' operations like Save, Print etc. are now in one place The chapter on charting is totally revised and updated – Excel 2013 differs greatly from earlier versions Includes many new end-of-chapter problems Most chapters have been edited to improve readability

*Popular Photography* MDPI

Analog Integrated Circuits for Communication: Principles, Simulation and Design, Second Edition covers the analysis and design of nonlinear analog integrated circuits that form the basis of present-day communication systems. Both bipolar and MOS transistor circuits are analyzed and several numerical examples are used to illustrate the analysis and design techniques developed in this book. Especially unique to this work is the tight coupling between the first-order circuit analysis and circuit simulation results. Extensive use has been made of the public domain circuit simulator Spice, to verify the results of first-order analyses, and for detailed simulations with complex device models. Highlights of the new edition include: A new introductory chapter that provides a brief review of communication systems, transistor models, and distortion generation and simulation. Addition of new material on MOSFET mixers, compression and intercept points, matching networks. Revisions of text and explanations where necessary to reflect the new organization of the book Spice input files for all the circuit examples that are available to the reader from a website. Problem sets at the end of each chapter to reinforce and apply the subject matter. An instructors solutions manual is available on the book's webpage at [springer.com](http://springer.com). Analog Integrated Circuits for Communication: Principles, Simulation and Design, Second Edition is for readers who have completed an introductory course in analog circuits and are familiar with basic analysis techniques as well as with the operating principles of semiconductor devices. This book also serves as a useful reference for practicing engineers.

*The Bizarre Careers of John R. Brinkley*

Rocky Nook

A helpful manual for students preparing for

the Graduate Record Examination (GRE) furnishes more than one thousand practice questions, along with complete answer explanations and an informative overview of what is on the exam itself and how it is presented. Original. 40,000 first printing.

**Popular Photography** McGraw Hill Professional  
Electronics explained in one volume, using both theoretical and practical applications. Mike Tooley provides all the information required to get to grips with the fundamentals of electronics, detailing the underpinning knowledge necessary to appreciate the operation of a wide range of electronic circuits, including amplifiers, logic circuits, power supplies and oscillators. The 5th edition includes an additional chapter showing how a wide range of useful electronic applications can be developed in conjunction with the increasingly popular Arduino microcontroller, as well as a new section on batteries for use in electronic equipment and some additional/updated student assignments. The book's content is matched to the latest pre-degree level courses (from Level 2 up to, and including, Foundation Degree and HND), making this an invaluable reference text for all study levels, and its broad coverage is combined with practical case studies based in real-world engineering contexts. In addition, each chapter includes a practical investigation designed to reinforce learning and provide a basis for further practical work. A companion website at <http://www.key2electronics.com> offers the reader a set of spreadsheet design tools that can be used to simplify circuit calculations, as well as circuit models and templates that will enable virtual simulation of circuits in the book. These are accompanied by online self-test multiple choice questions for each chapter with automatic marking, to enable students to continually monitor their own progress and understanding. A bank of online questions for lecturers to set as assignments is also available.

Popular Photography Random House Digital, Inc.

The Complete Guide to Sony's NEX 5R and 6 Cameras (B&W edition) Lulu.com Sony NEX-6 Peachpit Press

Algorithms for Image Processing and Computer Vision Springer Science & Business Media

We want to give you the practice you need on the ACT McGraw-Hill's 10 ACT Practice Tests helps you gauge what the test measures, how it's structured, and how to budget your time in each section. Written by the founder and faculty of Advantage Education, one of America's most respected providers of school-based test-prep classes, this book provides you with the intensive ACT practice that will help your scores improve from each test to the next. You'll be able to sharpen your skills, boost your confidence, reduce your stress-and to do your very best on test day. 10 complete sample ACT exams, with full explanations for every answer 10 sample writing prompts for the optional ACT essay portion Scoring Worksheets to help you calculate your total score for every test Expert guidance in prepping students

for the ACT More practice and extra help online ACT is a registered trademark of ACT, Inc., which was not involved in the production of, and does not endorse, this product.

**Polymer Solutions Rocky Nook, Inc.**

Presents tips and techniques on creating professional lighting effects using the Canon Speedlite system.

Popular Photography Routledge

The Sony Alpha NEX-6: The Unofficial Quintessential Guide provides a wealth of experience-based information and insights on this exciting new camera. Authors Brian Matsumoto and Carol F. Rouillard team up to help the new owner navigate past the confusion that often comes with using a complex and powerful camera. This book explores the features and capabilities of the camera in a way that far surpasses the user's manual. It guides the reader through the camera features with step-by-step instructions for setting menu commands, and explains how, when, and why these adjustments are needed. Every button, dial, switch, and menu configuration setting is explored in a friendly manner, with suggestions and tips for setup according to various shooting styles. The informative text is illustrated with screenshots and example images throughout, making it easy to follow along. The authors cover everything from the camera's basic features to advanced photographic applications. The first section of the book teaches new users to start taking pictures immediately by using the camera's Intelligent Auto and Superior Auto modes. In the second section, you'll learn how to begin taking control by switching to the semi-automatic modes. Finally, you'll learn to take full manual control of the camera, which will allow you to capture images that are a unique reflection of your creative personality. Brian and Carol go beyond just the camera itself and share how third-party software and optional accessories can improve on the camera's standard commands. You'll even learn how the electronic viewfinder and Sony's novel shutter design improve the camera's utility for critical scientific photography (i.e., photomicrography). The Sony Alpha NEX-6: The Unofficial Quintessential Guide will allow you to take control of your camera, push the envelope, and have fun.

**Intelligent Algorithms in Ambient and Biomedical Computing Cengage Learning**

**Polymer Solutions: An Introduction to Physical Properties** offers a fresh, inclusive approach to teaching the fundamentals of physical polymer science. Students, instructors, and professionals in polymer chemistry, analytical chemistry, organic chemistry, engineering, materials, and textiles will find Iwao Teraoka's text at once accessible and highly detailed in its treatment of the properties of polymers in the solution phase. Teraoka's purpose in writing *Polymer Solutions* is twofold: to familiarize the advanced undergraduate and beginning graduate student with basic concepts, theories, models, and experimental techniques for polymer solutions; and to provide a reference for researchers working in the area of polymer solutions as well as those in charge of chromatographic characterization of polymers. The author's incorporation of recent advances in the instrumentation of size-exclusion chromatography, the method by which polymers are analyzed, renders the text particularly topical. Subjects discussed include: Real, ideal, Gaussian, semirigid, and branched polymer chains Polymer solutions and thermodynamics Static light scattering of a polymer solution Dynamic light scattering and diffusion of polymers Dynamics of dilute and semidilute polymer solutions Study questions at the end of each chapter not only provide students with the opportunity to test their understanding, but also introduce topics relevant to polymer solutions not included in the main text. With over 250 geometrical model diagrams, *Polymer Solutions* is a necessary reference for students and for scientists pursuing a broader understanding of polymers.

**Popular Photography** John Wiley & Sons

By 1926, it seemed that John R. Brinkley's experimental rejuvenation cure—transplanting goat glands into aging men—had taken the nation by storm. Never mind that "Doc" Brinkley's medical credentials were shaky at best and that he prescribed medication over the airwaves via his high-power radio stations. To most in the medical field, he was a quack. But to his many

patients and listeners, he was a brilliant surgeon, a savior of their lost manhood and youth. His rogue radio stations, XER and its successor XERA, eventually broadcast at an antenna-shattering 1,000,000 watts and not only were a megaphone for Brinkley's lucrative quackery but also hosted an unprecedented number of then-unknown country musicians and other guests. *The Bizarre Careers of John R. Brinkley* tells the story of the infamous "Goat Gland Doctor"—a controversial medical charlatan, groundbreaking radio impresario, and prescient political campaigner—and recounts his amazing rags-to-riches-to-rags career. A master manipulator and skilled con artist, Brinkley left behind a patchwork of myths and unreliable personal accounts that many writers have merely perpetuated—until now. Alton Lee brings Brinkley's infamous legacy to the forefront, exploring how he ruthlessly exploited the sexual frustrations of aging men and the general public's antipathy toward medical doctors. Lee leaves no stone unturned in this account of a man who changed the course of American institutions forever. **Popular Photography Rocky Nook, Inc.**

This guide shows you how, when, and why to use the features, controls, and functions of the Sony Alpha NEX-F3 to take photographs and movies. Introductory chapters will help you get comfortable with the basics of your camera before you dive into exploring creative ways to apply file formats, resolution, and exposure.

**The Lens Springer Science & Business Media**

David Busch's *Canon EOS R5/R6 Guide to Digital Photography* is your all-in-one comprehensive resource and reference for the exciting new Canon EOS R5 and R6 full-frame mirrorless cameras. Enthusiasts can choose between the super-high resolution of the R5's 45-megapixel sensor, or the superior low-light performance and action-friendly high-capacity buffer of the 20-megapixel R6. Both cameras boast continuous shooting up to 20 frames per second, in-body image stabilization, and 1,053 Dual-Pixel II phase-detection AF points for lightning-fast, precise autofocus. Their high-resolution OLED electronic viewfinders provide a bright, clear view. Three available adapters make it easy to supplement your R-mount lenses with a broad selection of legacy Canon EF and EF-S optics. The EOS R5 and R6 have wireless connectivity to allow linking to a computer and iOS or Android smart device, high-definition 4K and Full HD movie-making capabilities, and a versatile swiveling touch-screen LCD. With this book in hand, you can quickly apply all these advanced features to your digital photography, while boosting your creativity to take great photographs with your Canon EOS R5 or R6.

Filled with detailed how-to steps and full-color illustrations, David Busch's *Canon EOS R5/R6 Guide to Digital Photography* covers all this upscale camera's features in depth, from taking your first photos through advanced details of setup, exposure, lens selection, lighting, and more, and relates each feature to specific photographic techniques and situations. Also included is the handy "roadmap" chapter, an easy-to-use visual guide to the cameras' features and controls. Learn when to use each option and, more importantly, when not to use them, by following the author's recommended settings for every menu entry. With best-selling photographer and mentor David Busch as your guide, you'll quickly have full creative mastery of your camera's capabilities, whether you're shooting on the job, as an advanced enthusiast, or are just out for fun. Start building your knowledge and confidence, while bringing your vision to light with the Canon EOS R5/R6 today.

**Electronic Circuits** The Crowood Press

Designed for photographers who haven't memorized every button, dial, setting, and feature on their Sony a7 III, Rocky Nook's handy and ultra-portable quick reference Pocket Guide helps you get the shot when you're out and about. \* Confirm that your camera is set up properly with the pre-shoot checklist \* Identify every button and dial on your camera \* Learn the essential modes and settings you need to know \* Dive deeper with additional features of your camera \* Execute step-by-step instructions for shooting multiple exposures, in-camera HDR,

time-lapse movies, and more \* Follow tips and techniques for getting great shots in typical scenarios (portrait, landscape, freezing action, low light, etc.)

A Guide to Microsoft Excel 2013 for Scientists and Engineers John Wiley & Sons

David Busch's Sony Alpha a7C Guide to Digital Photography is the most comprehensive resource and reference for Sony's ultra-compact 24-megapixel full frame mirrorless camera. The a7C packs large sensor image quality and low light performance into the world's smallest full-frame camera with in-body five-axis image stabilization. The perfect companion for travel photography under the most demanding conditions, it's also fast enough for 10 frames-per-second action photography bursts, and delivers the resolution the most demanding landscape or fine-art photographer require.

With fast, sensor-based 693-point phase detect autofocus (with real-time face and eye tracking), and 4K and full HD video capabilities, the a7C has all the tools needed to take incredible still images and capture compelling movies and video blogs. This book will show you how to master those features as you explore the world of digital photography and hone your creativity with your a7C.

Filled with detailed how-to steps and full-color illustrations, David Busch's Sony Alpha a7C Guide to Digital Photography covers every feature of this camera in depth, from taking your first photos through advanced details of setup, exposure, lens selection, lighting, and more, and relates each feature to specific photographic techniques and situations. Also included is the handy camera "roadmap" chapter, an easy-to-use visual guide to the camera's features and controls. Learn when to use every option and, more importantly, when not to use them, by following the author's recommended settings for each menu entry. With best-selling photographer and mentor David Busch as your guide, you'll quickly have full creative mastery of your camera's capabilities, whether you're shooting on the job, as an advanced enthusiast exploring full frame photography for the first time, or are just out for fun. Start building your knowledge and confidence, while bringing your vision to light with the Sony a7C.

David Busch's Sony Alpha a6300/ILCE-6300 Guide to Digital Photography Academic Press

A cookbook of algorithms for common image processing applications Thanks to advances in computer hardware and software, algorithms have been developed that support sophisticated image processing without requiring an extensive background in mathematics. This bestselling book has been fully updated with the newest of these, including 2D vision methods in content-based searches and the use of graphics cards as image processing computational aids. It's an ideal reference for software engineers and developers, advanced programmers, graphics programmers, scientists, and other specialists who require highly specialized image processing. Algorithms now exist for a wide variety of sophisticated image processing applications required by software engineers and developers, advanced programmers, graphics programmers, scientists, and related specialists This bestselling book has been completely updated to include the latest algorithms, including 2D vision methods in content-based searches, details on modern classifier methods, and graphics cards used as image processing computational aids Saves hours of mathematical calculating by using distributed processing and GPU programming, and gives non-mathematicians the shortcuts needed to program relatively sophisticated applications. Algorithms for Image Processing and Computer Vision, 2nd Edition provides the tools to speed development of image processing applications.

Photography with Tilt and Shift Lenses Rocky Nook, Inc.

Now that you've bought that amazing Sony NEX-6, you need a book that goes beyond a tour of the camera's features to show you exactly how to take great pictures. With Sony NEX-6: From Snapshots to Great Shots, you get the perfect blend of photography instruction and camera reference that will take your images to the next level.

Beautifully illustrated with large, vibrant photos, this book teaches you how to take control of your photography to get the image you want every time you pick up the camera. Follow along with your friendly

and knowledgeable guide, pro photographer Jerod Foster, and you will: Set up fast and learn the top ten things about shooting with the Sony NEX-6 Understand the photographic basics of composition, focus, and depth of field Learn all the best tricks and techniques for getting great action shots, landscapes, and portraits Find out how to create images in low light Use the HD video capability for recording memorable live action Fully grasp all the concepts and techniques as you go, with assignments at the end of every chapter And once you've captured the shot, show it off! Join the book's Flickr group, share your photos, and discuss how you use your camera at

[flickr.com/groups/sonynex6\\_fromsnapshottogreatshots](http://flickr.com/groups/sonynex6_fromsnapshottogreatshots).

McGraw-Hill's 10 ACT Practice Tests, Second Edition University Press of Kentucky

Tilt and shift lenses offer tremendous creative possibilities for users of digital SLR and mirrorless cameras. This practical book explains the techniques that will help you take better photos - photos that don't distort or lose focus. Assessing the benefits and pitfalls of a range of lenses, adapters, software and editing techniques, it guides you through the practicalities of working with these lenses and gives you the skills to use them to best effect. With stunning examples throughout, this book gives an overview of the different lenses available, and tips on how adapters can give tilt/shift options when using old medium-format lenses. It gives advice on how simple lens shift can change the entire look of your photos, and techniques for using lens tilt for focus control and close-up working. Stunning examples show the use of tilt and shift lenses across a range of available focal lengths, both tripod-mounted and handheld.

The Silicon Web Rocky Nook, Inc.

The technology behind computers, fiber optics, and networks did not originate in the minds of engineers attempting to build an Internet. The Internet is a culmination of intellectual work by thousands of minds spanning hundreds of years. We have built concept upon concept and technology upon technology to arrive at where we are today, in a world constructed of silicon pathways and controlled by silicon processors. From computers to optical communications, The Silicon Web: Physics for the Internet Age explores the core principles of physics that underlie those technologies that continue to revolutionize our everyday lives. Designed for the nonscientist, this text requires no higher math or prior experience with physics. It starts with an introduction to physics, silicon, and the Internet and then details the basic physics principles at the core of the information technology revolution. A third part examines the quantum era, with in-depth discussion of digital memory and computers. The final part moves onto the Internet era, covering lasers, optical fibers, light amplification, and fiber-optic and wireless communication technologies. The relation between technology and daily life is so intertwined that it is impossible to fully understand modern human experience without having at least a basic understanding of the concepts and history behind modern technology, which continues to become more prevalent as well as more ubiquitous. Going beyond the technical, the book also looks at ways in which science has changed the course of history. It clarifies common misconceptions while offering insight on the social impacts of science with an emphasis on information technology. As a pioneering researcher in quantum mechanics of light, author Michael Raymer has made his own significant contributions to contemporary communications technology

David Busch's Sony Alpha NEX-F3 Guide to Digital Photography Peachpit Press

Pregnancy is viewed as a window to future health. With the birth of the developmental origins of human adult disease hypothesis, research and clinical practice has turned its attention to the influence of maternal factors such as health and lifestyle surrounding pregnancy as a means to understand and prevent the inter-generational inheritance of chronic disease susceptibility. Outcomes during pregnancy have long-lasting impacts on both women on children. Moreover, nutrition early in life can influence growth and the establishment of lifelong eating habits and behaviors. This Special Issue on "Nutrition during Pregnancy and Lactation: Implications for Maternal and Infant Health" is intended to highlight new epidemiological, mechanistic and interventional studies that investigate maternal nutrition around the pregnancy period on maternal and infant outcomes. Submissions

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may include original research, narrative reviews, and systematic reviews and meta-analyses.

David Busch's Sony Alpha a7C Guide to Digital Photography  
Springer Science & Business Media

Which lens should I buy for my camera? It's such a simple question, but choosing the right lens or lenses is actually one of the most important photographic decisions you can make. Nothing affects the quality of a photo more than the lens. It's no longer just about the megapixels-it's the glass that makes all the difference!

Many first-time buyers of DSLRs don't venture past the basic lens included in the box. While some are reluctant to spend more money, others are confused by all the buzzwords or are overwhelmed by all the choices out there. It's really a shame, because interchangeable lenses give you amazing scope for quality photography. Take in vast sweeping scenes with a wide angle lens. Capture faraway birds with a telephoto lens. Examine the tiniest detail of a flower with a macro lens. Record the perfect portrait with a prime lens. Anything is possible when you choose the right lens for the job! This book isn't a simple catalogue of available lenses. New products are coming out all the time, and comparing specific lenses can be difficult. Instead, author N.K. Guy gives you all the information you need to make smart buying decisions.

Optical technology is demystified, arcane terminology is decoded, and practical tips are provided. The Lens will help you build the perfect lens collection to suit your needs-now and in the future.