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Spectacular photos begin with your Sony Alpha and this book. With its Alpha A300 and A350 cameras, Sony has blurred the distinction between introductory and advanced dSLRs. With the expert advice in this book, you'll learn to use every menu and control perfectly and gain insight into setting up and capturing shots that will amaze you. Reach beyond the automatic settings and take control of exposure, shutter speed, white balance, and every creative element that makes photography an art. Part I explores using your Sony Alpha A300 or A350 straight out of the box. Starting with an in depth look at the Sony Quick AF Live View System, this part of the book also explores all the external controls, explaining the purpose and function of each button, dial, and switch. Understanding your camera's menu system is crucial to getting great results with the A300 or the A350, and of course the book will also teach you how to maneuver through all of your camera's menus. You'll not only learn how to adjust each setting, but when and why you should make each adjustment. Chapter 3 gives a thorough explanation of basic photography fundamentals, without overwhelming jargon and technical terms. If you are a new photographer you will gain an appreciation of aperture, shutter speed, exposure, ISO and white balance. If you are an experienced photographer you'll find helpful tips and tricks for adjusting each of these key settings. Interchangeable lenses are one of a dSLR's major strengths, and that is true of both the A300 and A350. With so many lens options, choosing auxiliary lenses for the A300 series can become overwhelming. Chapter 4 helps you eliminate the mystery about which lenses to buy and gives you a full explanation of what to look for when evaluating a new lens. With information on wide-angle, normal, telephoto, and macro lenses, this chapter discusses the full Sony lens lineup and goes on to demystify the option of using Minolta lenses on the Sony Alpha. Understanding light and light modifiers, such as

diffusers and reflectors, is absolutely essential to getting great results from a dSLR. In chapter 5, you'll find a complete discussion of lighting basics, including the differences between continuous lighting and electronic flash. The full array of light modifiers is outlined, and the chapter goes on to explain the strengths and weaknesses of the proprietary Sony/Minolta hot shoe design. Naturally, there is also a discussion of which flash units work with the A300 series. Chapter 6 consists of a series of exercises designed to enhance your skills when shooting in a wide variety of photographic situations, including everything from macro photography and black and white to high dynamic range, portrait, and travel photography. Each topic is accompanied by numerous full color examples. DSLR photography entails far more than just the camera and lens. Once you fill your memory card with great images, you will need to download, catalog, store and edit those images. Chapter 7 takes you through a quick, but informative tour of the software and hardware options available to simplify your digital workflow. You will be exposed to the differences between RAW and JPEG images and you'll receive a thorough overview of your RAW processing options. You also learn about sharpening and noise reduction software, as well as the best editing applications.

Volume 3 of the second edition of the fully revised and updated Digital Signal and Image Processing using MATLAB®, after first two volumes on the “Fundamentals” and “Advances and Applications: The Deterministic Case”, focuses on the stochastic case. It will be of particular benefit to readers who already possess a good knowledge of MATLAB®, a command of the fundamental elements of digital signal processing and who are familiar with both the fundamentals of continuous-spectrum spectral analysis and who have a certain mathematical knowledge concerning Hilbert spaces. This volume is focused on applications, but it also provides a good presentation of the principles. A number of elements closer in nature to statistics than to signal processing itself are widely discussed. This choice comes from a current tendency of signal processing to use techniques from this field. More than 200 programs and functions are provided in the MATLAB® language, with useful comments and guidance, to enable numerical experiments to be carried out, thus allowing readers to develop a deeper understanding of both the theoretical and practical aspects of this subject. Written by Jacek Artymiak, a frequent contributor to ONLamp.com, Building Firewalls with OpenBSD and PF is the first and only print publication devoted solely to the subject of the pf packet filter used in OpenBSD, FreeBSD, and NetBSD operating systems. Topics covered include: firewall design, ruleset syntax, packet normalization (scrubbing), packet redirection (masquerading), packet filtering, bandwidth management (ALTQ), load balancing, and more. The author maintains a web site and a mailing list for the readers of his book.

Amateur astronomers have to start somewhere. Most begin by buying a modest astronomical telescope and getting to know the night sky. After a while, many want to move on to the next stage, but this can be problematic. The magazines advertise a mass of commercially-made equipment - some of it very expensive - which can represent a major financial outlay. The trick is to choose the right equipment, and then use it to its fullest extent. Observing Skills: The Science and Art of using Astronomical Telescopes provides the required information. First, it explains how to get the best from entry-level equipment (that upgrade may not even be needed for a year or two!). Second, it explains how to select equipment that is at the ‘next level’, and describes how use more advanced telescopes and accessories. The book is organized according to observational targets, and although it concentrates mainly on visual observing, it concludes with a section on imaging and the

equipment currently available - from regular digital cameras, through webcams, to specialized chilled-chip CCD cameras. Observing Skills: The Science and Art of using Astronomical Telescopes is the perfect follow-up to Moore and Watson: Astronomy with a Budget Telescope and Tonkin: AstroFAQs . It neatly fills the gap between these introductory books and the more advanced books in Springer's Practical Astronomy list. For more than 40 years, Computerworld has been the leading source of technology news and information for IT influencers worldwide. Computerworld's award-winning Web site (Computerworld.com), twice-monthly publication, focused conference series and custom research form the hub of the world's largest global IT media network. Each book covers all the necessary information a beginner needs to know about a particular topic, providing an index for easy reference and using the series' signature set of symbols to clue the reader in to key topics, categorized under such titles as Tip, Remember, Warning!, Technical Stuff and True Story. For more than 40 years, Computerworld has been the leading source of technology news and information for IT influencers worldwide. Computerworld's award-winning Web site (Computerworld.com), twice-monthly publication, focused conference series and custom research form the hub of the world's largest global IT media network. Focal Digital Camera Guides: Sony A300/A350 Just bought a Sony A300 or A350 and looking to combine practical know-how with inspiration? This one-stop, easy-to-read guide covers all the basic functions of the camera, and everything beyond. For the basics, turn to the quick start guide, which will get you up and running in five minutes. For an understanding of your camera's many controls and features, check out the section called "The Camera." If all you need is a quick explanation, you'll find it. If you're looking for the Whole Story, you'll find that, too. Settings that affect how your pictures look are accompanied by full-color examples that show you exactly what you can expect. This section also covers the camera's menus, playback features, memory, and power sources. The section called "Software" shows you how to get the most out of your camera's software. It covers tethered shooting, color management, RAW conversion, storing your images, managing your library, and backup strategies - to name just a few topics. Ultimately, this book's greatest strength isn't its focus on the camera or the software; it's the detailed, easy-to-follow instruction it offers on using your camera to take truly superior photographs. Sections devoted to lenses, subject matter, and light cover these variables in depth, always presenting the most effective techniques in the context of the Sony A300/A350. Written by a widely acclaimed photographer, Sony A300/A350 shows you how to get the shots you can see in your head but have never been able to capture with a camera. * The quick start guide will have you taking great photos in five minutes. * In-depth coverage of every feature and control ensures that you have access to the tools you need for every shot. * Full-color examples demonstrate how different settings affect your photos. * Expert coverage of lenses, lighting, and subject matter gives you the practical knowledge you need to go after any shot. * Step-by-step instructions on photo editing and image management help you get the most out of your camera's software. * A detailed review of accessories for your camera explains which of these add-ons offer the most value for your needs. * Dozens of tips and tricks prepare you for every situation you're likely to encounter - in the field, at the studio, or at your next wedding or family reunion. Explains how synthesizers work, describes the features of top commercial models, and shows how to build a synthesizer For more than 40 years, Computerworld has been the leading source of technology news and information for IT influencers worldwide. Computerworld's award-

winning Web site (Computerworld.com), twice-monthly publication, focused conference series and custom research form the hub of the world's largest global IT media network. The Sony Alpha DSLR-A350, A300, and A200 are loaded with the best features of more advanced digital SLR cameras, in easy-to-use models perfect for budding photographers. As the new owner of a Sony Alpha, you are serious about photography and want to take outstanding pictures. You also want to quickly and easily discover how, when, and why to use the most important features of your cutting-edge camera. David Busch's Sony Alpha DSLR-A350/A300/A200 Guide to Digital SLR Photography will show you how, when, and, most importantly, why to use all the cool features and functions of your camera to take eye-popping photographs. Introductory chapters will help you get comfortable with the basics of your camera before you dive right into exploring creative ways to apply the Sony Alpha's exposure modes, focus controls, and electronic flash options. With information and tips that apply to all three Alpha models, this book is chock full of hands-on tips for choosing lenses, flash units, and software products to use with your new camera. Beautiful, full-color images illustrate where the essential buttons and dials are, so you'll quickly learn how to use your Sony Alpha, and use it well. InfoWorld is targeted to Senior IT professionals. Content is segmented into Channels and Topic Centers. InfoWorld also celebrates people, companies, and projects. For more than 40 years, Computerworld has been the leading source of technology news and information for IT influencers worldwide. Computerworld's award-winning Web site (Computerworld.com), twice-monthly publication, focused conference series and custom research form the hub of the world's largest global IT media network. Featuring an 18.0 megapixel CMOS sensor and DIGIC 4 image processor for high image quality and speed, ISO 100-6400 for shooting from bright to dim light, and many more great features, the Canon EOS Rebel T2i brings professional features into an entry-level digital SLR. The Canon EOS Rebel T2i/550D Digital Field Guide will teach you how to get the most out of these impressive features so you can improve your photography skills.

CHAPTER 1: Setting Up the EOS Rebel T2i/550D. - This chapter will help you set up your T2i so you can get the best image quality from your Canon T2i. It will also cover different ways to review your images and protect them from accidental deletion. CHAPTER 2: Controlling Exposure and Focus. - Learn about the different types of shooting modes on your T2i, as well as image exposure and how to modify it for individual shooting scenarios. CHAPTER 3: Getting Great Color. - This chapter explores the concepts of light and color, and teaches you how to select a white balance and picture style on your T2i for maximum color rendering. CHAPTER 4: Customizing the EOS Rebel T2i/550D. - Learn how to set up your T2i for common and uncommon shooting situations. CHAPTER 5: Shooting in Live View and Tethered. - This chapter explains the T2i's Live View feature and how to shoot tethered to a computer. CHAPTER 6: Using Movie Mode. - A great starting point for any photographer to explore the world of digital video with the T2i, this chapter will teach you how to shoot and playback video on the T2i. CHAPTER 7: Using Flash. - This chapter explores flash technology, and how to use the T2i's on board flash and menu options for the built-in flash and for EX-Series Speedlites. CHAPTER 8: Exploring Canon Lenses and Accessories. This chapter covers popular T2i lenses and how they impact the images you capture with your T2i. CHAPTER 9: The Elements of Exposure and Composition. - Learn how aperture, shutter speed, and ISO affect your images, and how they work together to determine exposure. This chapter also covers the basics of composing images with your T2i. CHAPTER 10: Event and Action Photography. - Learn how to capture action in your

images, plus some tips and tricks for general event photography, including how to capture great photos in low lighting. CHAPTER 11: Nature and Landscape Photography. - This chapter explores how to approach shooting nature and landscape images with your T2i. CHAPTER 12: Portrait Photography. - Learn how to set up the T2i for portrait shooting, plus information on choosing backgrounds, lighting, and other tips and tricks for taking great portraits. APPENDIX A: Exploring RAW Capture. - This chapter contains an overview of RAW capture as well as a brief walk-through on converting RAW images into a final image. APPENDIX B: How to Use the Gray and Color Checker cards. - Learn how to produce photos with accurate color and exposure with these free-inside-the-book tools. A full-color, portable-trim book with beautiful photography for photographers on the go, the Canon EOS Rebel T2i/550D Digital Field Guide includes a free Grey/Color checker card to help you achieve accurate white balance and color. With the Canon EOS Rebel T2i/550D Digital Field Guide, you will gain a thorough understanding of the T2i dSLR, as well as the basic fundamentals of capturing the best possible photos. What you need to know to take amazing photos—or shoot movies!—with your Nikon D300s camera This portable, full-color guide explains all essential controls, features, and functions of the Nikon D300s camera, including the exciting new D-Movie with auto-focus feature, 3-inch LCD screen, quiet shutter release, and external microphone for movie recording. You'll find step-by-step instructions and invaluable tips and tricks to help you take your best stills or live action, whether you're capturing portraits, candid shots, sports or travel images, or macro photography. Shows you how to get the very most out of your new Nikon D300s digital camera Discusses in detail all the essential controls, features, and functions of the Nikon D300s, including the new D-Movie feature Provides step-by-step instructions and full-color images of each menu screen Explains not only how to adjust white balance, autofocus, exposure, and other settings, it explains when and why you should adjust these settings Gives you a thorough digital photography refresher on lighting and composition Shares valuable tips and tricks to help you capture amazing shots Shows you topic-specific secrets to capturing portraits, candid shots, sports or travel photos, macro photography, and others Now that you have a Nikon D300s, make sure you have a copy of the Nikon D300s Digital Field Guide! The Sony Alpha DSLR-A350, A300, and A200 are loaded with the best features of more advanced digital SLR cameras, in easy-to-use models perfect for budding photographers. As the new owner of a Sony Alpha, you are serious about photography and want to take outstanding pictures. You also want to quickly and easily discover how, when, and why to use the most important features of your cutting-edge camera. David Busch's Sony Alpha DSLR-A350/A300/A200 Guide to Digital SLR Photography will show you how, when, and, most importantly, why to use all the cool features and functions of your camera to take eye-popping photographs. Introductory chapters will help you get comfortable with the basics of your camera before you dive right into exploring creative ways to apply the Sony Alpha's exposure modes, focus controls, and electronic flash options. With information and tips that apply to all three Alpha models, this book is chock full of hands-on tips for choosing lenses, flash units, and software products to use with your new camera. Beautiful, full-color images illustrate where the essential buttons and dials are, so you'll quickly learn how to use your Sony Alpha, and use it well. PCMag.com is a leading authority on technology, delivering Labs-based, independent reviews of the latest products and services. Our expert industry analysis and practical solutions help you make better buying decisions and get more from technology. InfoWorld is targeted to Senior IT

professionals. Content is segmented into Channels and Topic Centers. InfoWorld also celebrates people, companies, and projects. For more than 40 years, Computerworld has been the leading source of technology news and information for IT influencers worldwide. Computerworld's award-winning Web site (Computerworld.com), twice-monthly publication, focused conference series and custom research form the hub of the world's largest global IT media network. Meet the A300 and A350--the two newest cameras in Sony's beginner-friendly "A" series. They're alike except for sensor resolution (the 350 has the highest available in any consumer model), and are perfect for anyone ready to move up from point-and-shoot cameras. That's because they actually allow photographers to view the scene in front of them on the LCD monitor prior to shooting. Owners will look to this guide to find out how to use the Live Preview with AF and exposure control; adjustable variable angle LCD monitor that flips out and twists; and Super SteadyShot(R) image stabilization that vastly reduces blur. A complete, full-color guide to all the elements of dSLR photography If you have a digital SLR camera, you'll find everything you need in this full-color reference to help you get the best results. Ten self-contained minibooks cover the basics of dSLR photography and address camera models from the five leading dSLR manufacturers. Topics include lenses, exposure, lighting, composition, processing and editing, a guide to manufacturers and systems, and a guide to camera settings, plus separate minibooks covering video and high dynamic range (HDR) photography. This full-color volume covers all the key elements essential to good photography as well as the basics of camera bodies and lenses, dSLR workflow, and advice on the best camera settings to use for different situations Covers lighting, composition, and exposure as well as macro and telephoto lenses Features minibooks on video, HDR photography, processing and editing images, and a guide to leading camera manufacturers and systems Digital SLR Photography All-in-One For Dummies replaces an entire shelf of digital photography books and helps you get the photos you dream of. Practicing computer engineers and graduate students in computer architecture alike will find this reference book invaluable as it describes the tradeoffs and design philosophy that lead to the development of the Alpha architecture and its implementation. Alpha Architecture and Implementation provides a comprehensive description of all major aspects of Alpha systems. The book includes an overview of the history of RISC development in the computer industry and at Digital, the Alpha Architecture, all the major processor chips, and system implementations. The book also covers RISC concept and design styles, and provides an overview of other RISC architectures and descriptions of the new SPARC, MIPS, Power PC and PA-RISC microprocessors introduced in 1995. The book also discusses operating system porting issues, compiler techniques and binary translation. Dileep Bhankdarkar was a senior consulting engineering in the Alpha Systems Business Group at Digital Equipment Corporation. He has been responsible for leading the technical direction and product strategy of Alpha Personal Systems, Alpha and VAX Servers and High Performance Computing. He was the architecture manager for microVAX, chief architect for VAX vector processing and co-architect of the PRISM RISC architecture on which Alpha is based. He has a B.Tech degree in electrical engineering from the Indian Institute of Technology in Bombay, and an MS and PhD in electrical engineering from Carnegie-Mellon University. Dileep holds 15 US patents and is senior member of IEEE. He is the author of more than 30 technical publication on computer architecture, semiconductor technology and performance analysis. He currently works for Intel Corporation. Only comprehensive

treatise on Alpha Architecture, chips and systems. Insider's view of Alpha A comprehensive discussion of Alpha with overviews of competing architectures. InfoWorld is targeted to Senior IT professionals. Content is segmented into Channels and Topic Centers. InfoWorld also celebrates people, companies, and projects. Get the very most out of your Canon PowerShot G11 camera. Now that you've got a new Canon PowerShot G11 10.0 megapixel digital camera, take this handy book along to help you tap all the tricks and features that your cool new camera has to offer. Canon PowerShot G11 Digital Field Guide, sized perfectly to fit in your camera bag, includes pages of step-by-step techniques, beautiful full-color examples, and professional tips sure to help you capture exactly the images you want. Understand all the technology your new camera has to offer—such as new face recognition software, a 5x optical zoom, faster electronics, and much more—with this step-by-step guide. It's so handy, you can check for tips while you're shooting! Provides no-fail techniques for getting the most out of your Canon PowerShot G11 digital camera Walks you through the PowerShot G11's new features and functions, including face recognition software, 5x optical zoom, RAW image format capture, a wider aperture than standard PowerShot models, faster electronics, and remote capture Elevates your photography skills to a new level with photography secrets from professional photographer and author Charlotte Lowrie Teaches you photography essentials and offers beautiful, full-color examples to inspire you on your next shoot Move from standard shots to power shots with Canon PowerShot G11 Digital Field Guide. The Sony Alpha DSLR-A350, A300, and A200 are loaded with the best features of more advanced digital SLR cameras, in easy-to-use models perfect for budding photographers. As the new owner of a Sony Alpha, you are serious about photography and want to take outstanding pictures. You also want to quickly and easily discover how, when, and why to use the most important features of your cutting-edge camera. David Busch's Sony Alpha DSLR-A350/A300/A200 Guide to Digital SLR Photography will show you how, when, and, most importantly, why to use all the cool features and functions of your camera to take eye-popping photographs. Introductory chapters will help you get comfortable with the basics of your camera before you dive right into exploring creative ways to apply the Sony Alpha's exposure modes, focus controls, and electronic flash options. With information and tips that apply to all three Alpha models, this book is chock full of hands-on tips for choosing lenses, flash units, and software products to use with your new camera. Beautiful, full-color images illustrate where the essential buttons and dials are, so you'll quickly learn how to use your Sony Alpha, and use it well. PCMag.com is a leading authority on technology, delivering Labs-based, independent reviews of the latest products and services. Our expert industry analysis and practical solutions help you make better buying decisions and get more from technology. For over three decades now, silicon capacity has steadily been doubling every year and a half with equally staggering improvements continuously being observed in operating speeds. This increase in capacity has allowed for more complex systems to be built on a single silicon chip. Coupled with this functionality increase, speed improvements have fueled tremendous advancements in computing and have enabled new multi-media applications. Such trends, aimed at integrating higher levels of circuit functionality are tightly related to an emphasis on compactness in consumer electronic products and a widespread growth and interest in wireless communications and products. These trends are expected to persist for some time as technology and design methodologies continue to evolve and the era of Systems on a Chip has definitely come of age. While technology improvements and

spiraling silicon capacity allow designers to pack more functions onto a single piece of silicon, they also highlight a pressing challenge for system designers to keep up with such amazing complexity. To handle higher operating speeds and the constraints of portability and connectivity, new circuit techniques have appeared. Intensive research and progress in EDA tools, design methodologies and techniques is required to empower designers with the ability to make efficient use of the potential offered by this increasing silicon capacity and complexity and to enable them to design, test, verify and build such systems. For more than 40 years, Computerworld has been the leading source of technology news and information for IT influencers worldwide. Computerworld's award-winning Web site (Computerworld.com), twice-monthly publication, focused conference series and custom research form the hub of the world's largest global IT media network. This book constitutes the refereed proceedings of the Second International Workshop on Practice and Theory in Public Key Cryptography, PKC'99, held in Kamakura, Japan in March 1999. The 25 revised full papers presented were carefully reviewed and selected from a total of 61 submissions. The volume reports most recent research results on all relevant aspects in public key cryptography. Among the topics covered are digital signatures, anonymous finger printing, message authentication, digital payment, key escrow, RSA systems, hash functions, decision oracles, random numbers, finite field computations, pay-per-view-systems, and electronic commerce. For more than 40 years, Computerworld has been the leading source of technology news and information for IT influencers worldwide. Computerworld's award-winning Web site (Computerworld.com), twice-monthly publication, focused conference series and custom research form the hub of the world's largest global IT media network. For more than 40 years, Computerworld has been the leading source of technology news and information for IT influencers worldwide. Computerworld's award-winning Web site (Computerworld.com), twice-monthly publication, focused conference series and custom research form the hub of the world's largest global IT media network.

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