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Introduction to Fiber Optics is well established as an introductory text for engineers, managers and students. It meets the needs of systems designers, installation engineers, electronic engineers and anyone else looking to gain a working knowledge of fiber optics with a minimum of maths. Review questions are included in the text to enable the reader to check their understanding as they work through the book. The new edition of this successful book is now fully up to date with the new standards, latest technological developments and includes a new chapter on specifying optical components. Whether you are looking for a complete self-study course in fiber optics, a concise reference text to dip into, or a readable introduction to this fast moving technology, this book has the solution. * A practical, no-nonsense guide to fiber optics * Up-to-date coverage that minimises mathematics * New material on specifying optical components

The IBM® TS4500 (TS4500) tape library is a next-generation tape solution that offers higher storage density and better integrated management than previous solutions. This IBM Redbooks® publication gives you a close-up view of the new IBM TS4500 tape library. In the TS4500, IBM delivers the density that today's and tomorrow's data growth requires. It has the cost-effectiveness and the manageability to grow with business data needs, while you preserve investments in IBM tape library products. Now, you can achieve a low cost per terabyte (TB) and a high TB density per square foot because the TS4500 can store up to 11 petabytes (PB) of uncompressed data in a single frame library or scale up to 2 PB per square foot to over 350 PB. The TS4500 offers the following benefits: High availability: Dual active accessors

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with integrated service bays reduce inactive service space by 40%. The Elastic Capacity option can be used to eliminate inactive service space. Flexibility to grow: The TS4500 library can grow from the right side and the left side of the first L frame because models can be placed in any active position. Increased capacity: The TS4500 can grow from a single L frame up to another 17 expansion frames with a capacity of over 23,000 cartridges. High-density (HD) generation 1 frames from the TS3500 library can be redeployed in a TS4500. Capacity on demand (CoD): CoD is supported through entry-level, intermediate, and base-capacity configurations. Advanced Library Management System (ALMS): ALMS supports dynamic storage management, which enables users to create and change logical libraries and configure any drive for any logical library. Support for IBM TS1160 while also supporting TS1155, TS1150, and TS1140 tape drive: The TS1160 gives organizations an easy way to deliver fast access to data, improve security, and provide long-term retention, all at a lower cost than disk solutions. The TS1160 offers high-performance, flexible data storage with support for data encryption. Also, this enhanced fifth-generation drive can help protect investments in tape automation by offering compatibility with existing automation. The TS1160 Tape Drive Model 60E delivers a dual 10 Gb or 25 Gb Ethernet host attachment interface that is optimized for cloud-based and hyperscale environments. The TS1160 Tape Drive Model 60F delivers a native data rate of 400 MBps, the same load/ready, locate speeds, and access times as the TS1155, and includes dual-port 16 Gb Fibre Channel support. Support of the IBM Linear Tape-Open (LTO) Ultrium 8 tape drive: The LTO Ultrium 8 offering represents significant improvements in capacity, performance, and reliability over the previous generation, LTO Ultrium 7, while still protecting your investment in the previous technology. Support of LTO 8

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Type M cartridge (m8): The LTO Program introduced a new capability with LTO-8 drives. The ability of the LTO-8 drive to write 9 TB on a brand new LTO-7 cartridge instead of 6 TB as specified by the LTO-7 format. Such a cartridge is called an LTO-7 initialized LTO-8 Type M cartridge. Integrated TS7700 back-end Fibre Channel (FC) switches are available. Up to four library-managed encryption (LME) key paths per logical library are available. This book describes the TS4500 components, feature codes, specifications, supported tape drives, encryption, new integrated management console (IMC), command-line interface (CLI), and REST over SCSI (RoS) to obtain status information about library components. October 2020 - Added support for the 3592 model 60S tape drive that provides a dual-port 12 Gb SAS (Serial Attached SCSI) interface for host attachment.

This book introduces the concepts and features of Linux. It describes the features and services of the Internet which have been instrumental in the rapid development and wide distribution of Linux and focuses on the graphical interface, network capability, and extended tools of Linux. It also gives an overview of the wide range of freeware applications available for Linux. Now completely revised and expanded to help the reader take full advantage of the high-performance of Linux 2.0, this third edition lists all of the currently supported hardware; provides the latest information on Linux as client/server; explains the newest applications including StarOffice 3.1, new graphics tools (including GIMP), Xemacs, and LyX; and presents the most up to date information on security and cryptography. Plus, there is a new UNIX command reference with entries grouped by purpose, as well as a new section on how to deal with errors. All in all, the most up-to-date information on Linux available!

This guidance covers the practical application of photogrammetry in recording cultural heritage, with particular

reference to structure from motion (SfM) techniques. Our audience for this document includes survey contractors, archaeological contractors, voluntary organisations and specialists. Photogrammetric image acquisition and processing, until recently requiring a considerable investment in hardware and software, are now possible at a fraction of their former cost. This has led to a huge increase in the use of photogrammetry in cultural heritage recording. The skills required to apply the techniques successfully and accurately are discussed, and background information on how various parts of the process work is provided so that better results can be achieved through better understanding.

Photogrammetry is characterised by its versatility, and is applicable over a wide range of scales, from landscapes to small objects. The particular requirements needed at these different scales are outlined, and both imaging techniques and useful ancillary equipment are described. The different types of outputs are discussed, including their suitability for further interrogation using a range of established analytical techniques and the presentation options available. A range of case studies illustrates the application of photogrammetry across a variety of projects that broadly reflect the areas discussed in the text. This document is one of a number of Historic England technical advice documents on how to survey historic places.

This book is a complete manual on the Sony Cyber-shot DSC-RX100 VI camera, one of the most advanced, but still pocketable, cameras available. With this book, author Alexander White provides users of the RX100 VI with a guide to all aspects of the camera's operation. Using a tutorial-like approach, the book shows beginning and intermediate photographers how to take still images and record video with the RX100 VI, and explains when and why to use the camera's many features. The book provides details about the

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camera's automatic and advanced shooting modes, including burst shooting at rates as fast as 24 frames per second, as well as its numerous menu options for shooting, playback, and setup. The book includes information about using Wi-Fi and Bluetooth connections for image transfer, remote control, and adding location information to images. The book has more than 500 color photographs or illustrations that help explain the camera's menus, shooting screens, and features. These images include examples of photographs taken using the RX100 VI's Scene mode, with settings optimized for subjects such as landscapes, sunsets, portraits, low-light, and action shots; and the Creative Style and Picture Effect menu options, with settings that alter the appearance of images. The book also provides introductions to topics such as street photography, astrophotography, and digiscoping, with photographic examples. The book includes a full discussion of the video features of the RX100 VI, which can shoot HD and 4K (ultra-HD) movies, and which offers manual control of exposure and focus during movie recording. The book explains the camera's numerous features that are useful for professional-level videography, including Picture Profiles that allow adjustment of settings such as gamma curve, black level, knee, and detail. The book provides detailed information about recording 4K video to an external video recorder using the "clean" video output from the camera's HDMI port. In three appendices, the book discusses accessories for the RX100 VI, including cases, power sources, grips, remote controls, and filter adapters, and includes a list of websites and other resources for further information. The book includes an appendix with "quick tips" on how to take advantage of the camera's features in the most efficient ways possible. This guide to the RX100 VI includes a detailed index, so the reader can quickly find needed information about any particular feature or aspect of

the camera.

Atlas of Early Zebrafish Brain Development: A Tool for Molecular Neurogenetics, Second Edition, remains the only neuroanatomical expression atlas of important genetic and immunohistochemical markers of this vertebrate model system. It represents a key reference and interpretation matrix for analyzing expression domains of genes involved in Zebrafish brain development and neurogenesis, and serves as a continuing milestone in this research area. This updated volume provides in-situ hybridized and immunostained preparations of complete series of brain sections, revealing markers of the fundamental stages in the life history of neuronal cells in very high quality preparations and photographic plates. Specific additions to this edition include documentation on the distribution of neurons expressing GABA, dopamine and serotonin, material on the basal ganglia, hypothalamus, and the caudal, segmented part of the diencephalon, new theories on the early organization of the telencephalon and thalamus, and integration of a comparative perspective on the mid- and hindbrain.

Documentation on the distribution of neurons expressing GABA, dopamine and serotonin Material on the basal ganglia, hypothalamus, and the caudal, segmented part of the diencephalon New theories about the early organization of the telencephalon and thalamus Integration of a comparative perspective on the mid- and hindbrain

The IBM® System Storage® Solutions Handbook helps you solve your current and future data storage business requirements. It helps you achieve enhanced storage efficiency by design to allow managed cost, capacity of growth, greater mobility, and stronger control over storage performance and management. It describes the most current IBM storage products, including the IBM Spectrum™ family, IBM FlashSystem®, disk, and tape, as well as virtualized

solutions such as IBM Storage Cloud. This IBM Redbooks® publication provides overviews and information about the most current IBM System Storage products. It shows how IBM delivers the right mix of products for nearly every aspect of business continuance and business efficiency. IBM storage products can help you store, safeguard, retrieve, and share your data. This book is intended as a reference for basic and comprehensive information about the IBM Storage products portfolio. It provides a starting point for establishing your own enterprise storage environment. This book describes the IBM Storage products as of March, 2016.

Photographer's Guide to the Panasonic Lumix LX3: Getting the Most from Panasonic's Versatile Digital Camera is a follow-up to the author's well-received guide to a very similar camera, the Leica D-Lux 4. This new guidebook covers all features and operations of the LX3, one of the most highly esteemed compact digital cameras of recent years. In 232 pages, with numerous color photographs and illustrations, the book explains in plain language how to achieve the best possible results taking pictures with the automatic or manual controls of the LX3. Although much of the information in this book is similar to that in the earlier book about the Leica D-Lux 4 camera, this new volume is updated to include several new features that were added to both cameras when their internal firmware (operating system) was upgraded to version 2.0. These new features include white balance bracketing, 1:1 aspect ratio, lens resume, and several others. Therefore, the book will be useful to users of the latest versions of both the Panasonic Lumix LX3 and the Leica D-Lux 4.

With amazing low-light capabilities, incredible definition, intelligent autofocus and a host of other features, digital cameras have now become so powerful that they have left their users behind. Most photographers can take competent shots in a range of conditions, or fix imperfect exposures in

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Photoshop or Lightroom, but very few have the skill to push their cameras to the limit and capture the perfect shot, under all conditions, with no post-processing required. In Camera is the perfect way to take your photography to that level; to master your camera, understand light, exposure and composition, and make amazing photographs, whatever your camera, without cheating after the event. One hundred of Gordon's beautiful photos are given with his own expert commentary; full settings and camera details are included, and a host of tips and tricks let photographers of any level learn something from every example. The shots are taken with a wide range of cameras, and the emphasis is on getting results by improving your own skills, not wasting money on expensive equipment.

The Book Provides A Lucid And Step-By-Step Treatment Of The Various Principles And Methods For Solving Problems In Land Surveying. Each Chapter Starts With Basic Concepts And Definitions, Then Solution Of Typical Field Problems And Ends With Objective Type Questions. The Book Explains Errors In Survey Measurements And Their Propagation. Survey Measurements Are Detailed Next. These Include Horizontal And Vertical Distance, Slope, Elevation, Angle, And Direction. Measurement Using Stadia Tacheometry And Edm Are Then Highlighted, Followed By Various Types Of Levelling Problems. Traversing Is Then Explained, Followed By A Detailed Discussion On Adjustment Of Survey Observations And Then Triangulation And Trilateration. A Detailed Discussion On Various Types Of Curves And Their Setting Out Is Followed By Calculation Of Areas And Volumes. The Last Chapter Includes Point Location And Setting Out Works In Civil Engineering Projects. Suitable Illustrations And Worked Out Examples Are Included Throughout The Book. Selected Practice Problems Are Given At The End Of The Book. The Book Would Serve As An

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Excellent Text For Degree And Diploma Students Of Civil Engineering. Amie Candidates And Practicing Engineers Would Also Find This Book Extremely Useful.

This guide book explains all operations, features, menus, and controls of the Canon PowerShot S110 camera, providing information about how to accomplish things with the camera as well as when and why to use certain features. The book explains topics such as autofocus, manual focus, depth of field, aperture priority, shutter priority, HDR (High Dynamic Range) photography, white balance, ISO, and macro photography, in the context of getting great results with Canon's highly pocketable camera. The book gives details about how to take advantage of the camera's varied array of "Scene" and "Creative Filters" shooting settings. The guide's more than 300 photographs, almost all in full color, illustrate the camera's controls and menus and include examples of the photographs that can be taken using the S110's many options, including the Creative Filters settings, which alter the color processing and other aspects of images; menu options such as i-Contrast and digital zoom; and the camera's strong features for continuous shooting. In addition, the book goes beyond the realm of everyday photography with introductions to topics such as infrared photography, street photography, and using the Raw format, which permits a wide range of adjustments to images after they have been captured. The book also explains the video recording abilities of the PowerShot S110, which can record high-definition (HD) video with stereo sound and can take "Super Slow Motion" movies that slow down action by a factor of eight. In three appendices, the book discusses accessories, including cases, a filter adapter, and external flash units; contains a list of useful web sites and other resources; and includes helpful "quick tips" that give particular insights into how to take best advantage of the camera's features.

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The Panasonic Lumix DMC-LX7 has earned a reputation as one of the first choices for photographers who want an advanced camera they can carry around with them to capture great images without the complication and weight of a DSLR or other large camera. With features such as a very fast lens with an aperture of f/1.4, excellent image quality, and a solid array of burst-shooting capabilities, this compact camera has attracted an enthusiastic following in the photography community. However, the camera does not come with a detailed printed manual for reference, making it difficult for users to find answers to questions about the use of the camera's many controls, menus, and features. With the release of this guide book to the LX7, White Knight Press has provided users with a comprehensive guide to all operations of this sophisticated camera. Using a patient, tutorial-like approach, the book provides guidance to beginning and intermediate photographers not only about how to accomplish things with the LX7, but when and why to use the camera's many controls, menu options, and other features. The book does not assume specialized knowledge by the reader as it explains topics such as autofocus, manual focus, depth of field, aperture priority, shutter priority, exposure compensation, white balance, and ISO sensitivity. The book also provides details about the camera's numerous menu options for playback, setup, and customizing the operation of the various buttons and other controls. The book contains more than 400 photographs, almost all in full color, which illustrate the LX7's controls, shooting screens, and menus. The photographs also provide examples of the various types of photographs that can be taken using the many creative settings of the camera, including the Creative Control settings, which let the photographer alter the color processing and other aspects of images; the Scene shooting mode, with settings that are optimized for various subjects, including

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landscapes, portraits, and action shots; the Photo Style menu option, which provides the ability to customize the appearance of images; and the camera's strong array of features for continuous shooting and shooting in dim lighting. In addition, the book goes beyond the bounds of everyday photography, and provides introductions to more advanced topics such as infrared photography, street photography, astrophotography, and macro photography. The book also includes a full discussion of the video recording abilities of the LX7, which can shoot high-definition (HD) video with stereo sound, and which offers manual control of exposure and focus during movie recording. In three appendices, the book provides information about accessories available for the camera, including cases, external flash units, and filter adapters, and includes a list of web sites and other resources for further information. Also, the book includes a detailed appendix with helpful "quick tips" that give particular insights into how to take advantage of the camera's features in the most efficient ways possible.

In MATLAB, Learn the essential skills needed to use the flexible MATLAB system. You will be able to apply the highly modular system towards the purposes you need by harnessing the power of its different toolboxes. This updated and expanded second edition of Book provides a user-friendly introduction to the subject, Taking a clear structural framework, it guides the reader through the subject's core elements. A flowing writing style combines with the use of illustrations and diagrams throughout the text to ensure the reader understands even the most complex of concepts. This succinct and enlightening overview is a required reading for all those interested in the subject . We hope you find this book useful in shaping your future career & Business. Photographer's Guide to the Leica D-Lux 5 is a follow-up to the author's earlier guides to the Leica D-Lux 4, Panasonic

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Lumix LX3, and Panasonic Lumix LX5 digital cameras. The new book, like the earlier ones, explains all operations, features, menus, and controls of the camera in clear language, providing guidance not only about how to accomplish things with the camera, but when and why to use certain features. The book does not assume any specialized knowledge by the reader, but adopts a patient and helpful tone in explaining topics such as autofocus, manual focus, aperture priority, shutter priority, macro photography, and RAW files. Besides providing guidance about all basic operations of the camera, the book includes introductions to advanced topics including astrophotography, infrared photography, street photography, and creating 3D images. The book is illustrated with more than 150 color photographs and includes a full table of contents and index.

In the last decade, enormous progress has been made on the physiology of plant roots, including on a wide range of molecular aspects. Much of that progress has been captured in the chapters of this book.

Breakthroughs have been made possible through integration of molecular and whole-plant aspects. The classical boundaries between physiology, biochemistry and molecular biology have vanished. There has been a strong focus on a limited number of model species, including *Arabidopsis thaliana*. That focus has allowed greater insight into the significance of specific genes for plant development and functioning. However, many species are very different from *A. thaliana*, in that they are mycorrhizal, develop a symbiosis with N₂-fixing microsymbionts, or have other specialised root structures. Also, some have a much greater capacity to resist extreme environments, such as soil acidity,

salinity, flooding or heavy-metal toxicities, due to specific adaptations. Research on species other than *A. thaliana* is therefore pivotal, to develop new knowledge in plant sciences in a comprehensive manner. This fundamental new knowledge can be the basis for important applications in, e.g., agriculture and plant conservation. Although significant progress has been made, much remains to be learnt. It is envisaged that discoveries made in the recent past will likely lead to major breakthroughs in the next decade.

This handbook provides a comprehensive overview of Partial Least Squares (PLS) methods with specific reference to their use in marketing and with a discussion of the directions of current research and perspectives. It covers the broad area of PLS methods, from regression to structural equation modeling applications, software and interpretation of results. The handbook serves both as an introduction for those without prior knowledge of PLS and as a comprehensive reference for researchers and practitioners interested in the most recent advances in PLS methodology.

Various kinds of mineralization have been found in many biological systems. Investigations made at a microscopical level using various sophisticated analytical methods and using principles developed in different fields have clarified their mechanisms very much.

Sometimes, very similar phenomena have been found in the mineralized tissues of completely different biological systems. Compilation and comparative investigations of such findings obtained from the many specimens systematically collected contribute a great deal to an

understanding of the crucial mechanisms and significance of biomineralization which originated in very primitive organisms and remain in advanced ones. Previously, the functional significance of mineralized tissues was considered mainly from an anatomical point of view based upon their morphological and structural features. However, the recent advance of investigations has made it possible to interpret the functional significance of biomineralization not only from local and mechanical points of view, but also from a systemic and phylogenetic point of view. It is also well-known that biomineralization has contributed in various ways to geological and oceanographical conditions of the environment in which the organisms were living. During this process, the mechanisms of biomineralization may have evolved to maintain harmony between organisms and their environments.

Photographer's Guide to the Panasonic Lumix LX5: Getting the Most from Panasonic's Advanced Digital Camera is the third book in a series by Alexander S. White. His previous guides to the Leica D-Lux 4 and Panasonic Lumix LX3 were extremely well received by enthusiasts searching for comprehensive books that explain the features and operation of some of the most sophisticated compact digital cameras being sold today. The current book is a detailed resource, illustrated by more than 150 color photographs, that covers all operations, menus, and controls of the Panasonic Lumix LX5, the newest in a line of highly sophisticated, yet very portable cameras that are equipped with full manual controls as well as advanced digital technology. The

book provides detailed guidance to beginning, intermediate, and more experienced photographers in plain English. The photographs illustrate the camera's menus and controls, and provide examples of many of the camera's shooting modes and special effects. For those who find the documentation provided by the camera's manufacturer to be hard to read and difficult to understand, this book fills an information gap and serves as a single source of information to let the photographer derive the maximum benefit from his or her Panasonic Lumix LX5 camera.

Scientific Astrophotography is intended for those amateur astronomers who are looking for new challenges, once they have mastered visual observing and the basic imaging of various astronomical objects. It will also be a useful reference for scientifically inclined observers who want to learn the fundamentals of astrophotography with a firm emphasis on the discipline of scientific imaging. This book is not about making beautiful astronomical images; it is about recording astronomical images that are scientifically rigorous and from which accurate data can be extracted. This book is unique in that it gives readers the skills necessary for obtaining excellent images for scientific purposes in a concise and procedurally oriented manner. This not only gets the reader used to a disciplined approach to imaging to maximize quality, but also to maximize the success (and minimize the frustration!) inherent in the pursuit of astrophotography. The knowledge and skills imparted to the reader of this handbook also provide an excellent basis for "beautiful picture" astrophotography!

There is a wealth of information in this book – a distillation of ideas and data presented by a diverse set of sources and based on the most recent techniques, equipment, and data available to the amateur astronomer. There are also numerous practical exercises. *Scientific Astrophotography* is perfect for any amateur astronomer who wants to go beyond just astrophotography and actually contribute to the science of astronomy.

This book is a complete guide to the Sony Cyber-shot DSC-RX10 IV camera. With this book, author Alexander S. White provides users of the RX10 IV with a manual covering all aspects of the camera's operation. Using a tutorial-like approach, the book shows beginning and intermediate photographers how to accomplish things with the RX10 IV, and explains when and why to use the camera's many features. The book provides details about the camera's shooting modes as well as its menu options for shooting, playback, setup, video, Wi-Fi, and special effects. The book covers all features of the RX10 IV that are new for this model, including its enhanced focusing system with phase detection autofocus; its ability to use a touch screen for focusing and enlarging images in some situations; and a variety of new or enhanced menu options. The book includes more than 500 color photographs that illustrate the camera's controls, display screens, and menus. The images include photographs taken using the RX10 IV's Scene mode, with settings optimized for subjects such as landscapes, sunsets, portraits, and action shots; and its Creative Style and Picture Effect menu options, with

settings that alter the appearance of images. The book provides concise introductions to topics such as street photography and infrared photography, and explains how to use the camera's Wi-Fi and Bluetooth features to transfer images to a smartphone or tablet, to control the camera from such a device, and to add location information to images. The book includes a full discussion of the video features of the RX10 IV, which can shoot HD and 4K (ultra-HD) movies, with manual control of exposure and focus during recording. The book explains the camera's numerous features for professional-level videography, including Picture Profiles that allow adjustment of settings such as gamma curve, black level, knee, and detail. The book describes steps for recording 4K video to an external video recorder using the "clean" video output from the camera's HDMI port. In three appendices, the book discusses accessories for the RX10 IV, including cases, power sources, remote controls, microphones and external flash units, and includes a list of websites and other resources for further information. The book includes an appendix with "quick tips" on how to take advantage of the camera's features in the most efficient ways possible. This guide to the RX10 IV includes a detailed index, so the reader can quickly locate information about any particular feature or aspect of the camera.

It is now becoming recognized in the measurement community that it is as important to communicate the uncertainty related to a specific measurement as it is to report the measurement itself. Without knowing the uncertainty, it is impossible for the users of the result to

know what confidence can be placed in it; it is also impossible to assess the comparability of different measurements of the same parameter. This volume collects 20 outstanding papers on the topic, mostly published from 1999-2002 in the journal "Accreditation and Quality Assurance." They provide the rationale for why it is important to evaluate and report the uncertainty of a result in a consistent manner. They also describe the concept of uncertainty, the methodology for evaluating uncertainty, and the advantages of using suitable reference materials. Finally, the benefits to both the analytical laboratory and the user of the results are considered.

Now refreshed with current technologies and terms, and more than 25 percent new images and an all-new chapter, this bestselling guide shows readers how to shoot great photographs with any type of camera.

Here is a basic introduction to Lattice Boltzmann models that emphasizes intuition and simplistic conceptualization of processes, while avoiding the complex mathematics that underlies LB models. The model is viewed from a particle perspective where collisions, streaming, and particle-particle/particle-surface interactions constitute the entire conceptual framework. Beginners and those whose interest is in model application over detailed mathematics will find this a powerful 'quick start' guide. Example simulations, exercises, and computer codes are included.

This book, a complete guide to the operation and features of the Canon PowerShot S100 digital camera, is a follow-up to the author's earlier guides to advanced compact digital cameras. The new book explains all operations, features, menus, and controls of the PowerShot S100 camera in clear

language, providing guidance not only about how to accomplish things with the camera, but when and why to use certain features. The book does not assume any specialized knowledge by the reader, but clearly explains topics such as autofocus, manual focus, depth of field, aperture priority, shutter priority, HDR (High Dynamic Range) photography, white balance, ISO, and macro photography. The book gives details about how to take advantage of the camera's varied array of "Scene" and "Creative Filters" shooting settings. The guide's more than 200 photographs, almost all in full color, provide illustrations of the camera's controls and menus, and also include examples of the various types of photographs that can be taken using the many creative settings of the camera, including the Creative Filters settings, which let the photographer alter the color processing and other aspects of images; various menu options such as i-Contrast and digital zoom; and the camera's strong set of features for continuous shooting. In addition, the book goes beyond the realm of everyday photography, providing introductions to more advanced topics such as infrared photography, street photography, and creating 3D (three-dimensional) images that can be viewed with conventional red and blue 3D glasses. The book also includes a full discussion of the video recording abilities of the PowerShot S100, which can record high-definition (HD) video with stereo sound and can take "Super Slow Motion" movies that slow down action by a factor of eight. In three appendices, the book provides information about accessories available for the camera, including cases, filter adapters, and external flash units; sets forth a list of useful web sites and other resources for further information; and includes a section with helpful "quick tips" that give particular insights into how to take advantage of the camera's features in the most efficient ways possible. The book includes a detailed Table of Contents and a full Index, so the

reader can quickly find needed information about any particular feature or aspect of the camera.

Historically, grief and spirituality have been jealously guarded as uniquely human experiences. Although non-human animal grief has been acknowledged in recent times, its potency has not been recognised as equal to human grief. Anthropocentric philosophical questions still underpin both academic and popular discussions. In *Enter the Animal*, Teya Brooks Pribac examines what we do and don't know about grief and spirituality. She explores the growing body of knowledge about attachment and loss and how they shape the lives of both human and non-human animals. A valuable addition to the vibrant interdisciplinary conversation about animal subjectivity, *Enter the Animal* identifies conceptual and methodological approaches that have contributed to the prejudice against nonhuman animals. It offers a compelling theoretical base for the consideration of grief and spirituality across species and highlights important ethical implications for how humans treat other animals.

This book is a complete guide to the operation of the Nikon Coolpix P1000 digital camera. The book explains all shooting modes, menus, functions, and controls of this superzoom camera, illustrated by more than 300 full-color images. The guide shows beginning and intermediate photographers how to get excellent results using the many features of the P1000. The book explains topics such as autofocus, manual focus, HDR (High Dynamic Range) photography, ISO sensitivity, memory cards, and flash modes. It discusses techniques for using the P1000's phenomenal zoom lens, with a maximum optical focal length of 3000mm, to full advantage. The book also explains the camera's features for remote control and image transfer using a smartphone or tablet with the P1000's built-in Wi-Fi and Bluetooth capabilities, as well as the camera's features for adding location data to images. The

book includes sample photos taken with the creative options of the camera, including the Picture Control settings, which alter color processing of images; the Bird-watching, Moon, Creative, and Scene shooting modes, with settings optimized for subjects such as landscapes, pets, sunsets, and action shots; and the Coolpix P1000's features for burst shooting and time-lapse photography. In addition, the book provides introductions to topics such as street photography, infrared photography, and macro photography. The book also explains the video features of the P1000, which can shoot 4K video and can record high-speed video sequences at speeds up to four times greater than normal, resulting in slow-motion footage when played back. In addition, the book describes procedures for using the Filter Effects option to add special effects to images after they have been captured. In its three appendices, the book discusses accessories for the Coolpix P1000, including external flash units, microphones, remote control devices, cases, and charging and power options. The appendices also include a list of useful web sites and other references, as well as a section with "quick tips" to help users take advantage of the camera's features in the most efficient ways possible. This guide book to the P1000 camera includes a detailed Table of Contents and Index.

A behind-the-scenes look at Lexus's surprising twenty-year success story—in a revised new edition In the 1980s, German brands BMW and Mercedes-Benz dominated the luxury car market and had little reason to fear competition from Japan. But in 1989, Toyota entered the market with the Lexus LS 400, a car that could compete with the Germans in every category but price—it was US\$30,000 cheaper. Within two years, Lexus had overtaken Mercedes-Benz in the United States and made a stunning success of Toyota's brave foray into the global luxury market. Lexus: The Relentless Pursuit reveals why Toyota decided to take on the German

automakers and how the new brand won praise and success for its unparalleled quality, unforgettable advertising, and unprecedented customer service. From the first boardroom planning session to Lexus's entry into the mega-luxury supercar market, this is the complete and compelling story of one of the world's most admired brands. Includes a new Foreword by legendary designer Erwin Lui, an Afterword with updates since the first edition, and a new Coda by leading Japanese automotive journalist Hisao Inoue Covers the racetrack triumph—and tragedy—behind the new US\$375,000 Lexus LFA supercar Offers important business lessons for brand managers and executives For car enthusiasts, business leaders, and anyone interested in branding and marketing, Lexus: The Relentless Pursuit offers an amazing story of excellence and innovation in the automotive industry. Fully-depleted SOI CMOS Circuits and Technology for Ultralow-Power Applications addresses the problem of reducing the supply voltage of conventional circuits for ultralow-power operation and explains power-efficient MTCMOS circuit design for FD-SOI devices at a supply voltage of 0.5 V. The topics include the minimum required knowledge of the fabrication of SOI substrates; FD-SOI devices and the latest developments in device and process technologies; and ultralow-voltage circuits, such as digital circuits, analog/RF circuits, and DC-DC converters. Each ultralow-power technique related to devices and circuits is fully explained using figures to help understanding. This book is a comprehensive, illustrated guide to the operation, features, menus, and controls of the Leica D-Lux 4 compact camera. It provides clearly written guidance for how to achieve excellent results using the camera's numerous sophisticated options. It also discusses topics such as infrared photography, macro

photography, and street photography, and provides information about accessories for the D-Lux 4.

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 IBM® Redbooks® publication presents a general introduction to the latest (current) IBM tape and tape library technologies. Featured tape technologies include the IBM LTO Ultrium and Enterprise 3592 tape drives, and their implementation in IBM tape libraries. This 17th edition includes information about the latest TS4300 Ultrium tape library, TS1155 Enterprise tape drive, and the IBM Linear Tape-Open (LTO) Ultrium 8 tape drive, along with technical information about each IBM tape product for open systems. It includes generalized sections about Small Computer System Interface (SCSI) and Fibre Channel connections, and multipath architecture configurations. This book also covers tools and techniques for library management. It is intended for anyone who wants to understand more about IBM tape products and their implementation. It is suitable for IBM clients, IBM Business Partners, IBM specialist sales representatives, and technical specialists. If you do not have a background in computer tape storage products, you might need to read other sources of information. In the interest of being concise, topics that are generally understood are not covered in detail.

File Type PDF Lx5 Manual File Type

Covers issues related to the practice of both diagnostic and interventional MRI on this new type of open design MR scanner. The unique configuration and often mid-field strengths of these machines necessitates new strategies for both diagnostic and interventional procedures compared to that of the standard 1.5 tesla diagnostic-only MR scanners, to which the majority of the radiologic literature is addressed today. This broad, multi-authored work will appeal to radiologists, medical physicists, other physicians, and health care personnel. From gear to editing, composition, lighting, settings, techniques and more, real estate photographer Nathan Cool provides a comprehensive guide for shooting high-quality interior real estate photography from start to finish. Learn how to not just take, but also "make" great real estate interior photos with an efficient workflow and cost-effective tools to speed up your shooting and editing processes. With over 70 color images showing real-world examples, screen shots and diagrams, you'll learn the principles that Nathan Cool and many other professional real estate photographers apply to their work. Far from being a dry academic tome, this book shows practical techniques that prove profitable for a real estate photography business. See how you can stand out from today's crowd of camera clickers and show clients you charge like a pro because you shoot like one.

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