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in depth details on piping systems filled with examples drawn from years of design and field experience this practical guide offers comprehensive information on piping installation repair and rehabilitation all of the latest codes standards and specifications are included piping systems manual is a hands on design and engineering resource that explains the reasons behind the designs you will get full coverage of materials components calculations specifications safety and much more hundreds of detailed illustrations make it easy to understand the best practices presented in the book piping systems manual covers asme b31 piping codes specifications and standards materials of construction fittings valves and appurtenances pipe supports drafting practice pressure drop calculations piping project anatomy field work and start up what goes wrong special services infrastructure strategies for remote locations unlock all the secrets of the powerful new nikon d3100 dslr camera author julie king knows how to teach newbies and in this handy guide she ll help you get the very most out of the powerful new nikon d3100 say you re already an experienced photographer the helpful tips and tricks in this friendly book will get you quickly up to speed on the d3100 s new 14 megapixel sensor continous video live focus full hd video expanded autofocus and more as a seasoned instructor at the palm beach photographic center julie anticipates all questions whether you re a beginner or digital camera pro and offers pages of easy to follow advice helps you get every bit of functionality out of the new nikon d3100 camera walks you through its exciting new features including the 14 megapixel sensor continous video live focus full hd video expanded autofocus and the updated in camera menu explores shooting in auto mode managing playback options and basic troubleshooting explains how to adjust the camera s manual settings for your own preferred exposure lighting focus and color style covers digital photo housekeeping tips how to organize edit and share your files tap all the tools in this hot new dslr camera and start taking some great pix with nikon d3100 for dummies invaluable photography advice for d5200 beginners the nikon d5200 is one of nikon s most advanced cameras offered in the entry level line of dslrs this book goes beyond the user s manual to deliver a helpful introduction to the basic photo skills needed in order to get great shots from the d5200 assuming no prior dslr knowledge veteran author julie adair king offers you a tour of the camera body with this full color book as she presents you with a hands on how to on all the features of the d5200 packed with pics this fun and friendly guide offers unique inspiration for capturing your own memorable images helps you get an accurate feel for the camera shooting in auto mode and managing playback options walks you through adjusting settings to get better results from exposure lighting focus and color includes a full chapter on video mode addresses sending

images to a computer for organizing editing and sharing demonstrates how to put the pieces together to get better portraits action shots and outdoor shots in any sort of light shares tips on the most common edits needed to improve shots featuring an abundance of useful tips this helpful guide encourages you to take control of your nikon 5200 to get the photos you want 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 take your best shot with your new nikon d3300 congratulations on your new nikon d3300 dslr you probably want to get shooting right away but first you need to know some basics about the controls and functions nikon d3300 for dummies is your ultimate guide to your new camera packed with everything you need to know to start taking beautiful photographs right out of the gate author julie adair king draws on a decade of experience in photography instruction specifically nikon and canon to walk you through the basics and get you started off on the right foot your new nikon d3300 offers full control over exposure settings but it also includes pre sets and auto mode options for beginners nikon d3300 for dummies guides you through the specifics of each setting and teaches you how to determine what controls work best in a given situation written specifically for the nikon d3300 the book discusses only the controls and capabilities available on your model and shows you where to find them and how to use them topics include shooting in auto mode playback options and basic troubleshooting working with light focus and color and conquering video mode picture organization including file transfer and sharing tips on photo editing and select features this full color book includes a variety of photos that demonstrate the effects of different settings allowing you to develop an eye for matching controls to situations if you want to get the most out of your new dslr nikon d3300 for dummies is the best most complete guide on the market i david busch s nikon d780 guide to digital photography i is your all in one comprehensive resource and reference for the exciting nikon d780 digital slr this weather sealed pro enthusiast camera is built around a 24.5 megapixel back illuminated sensor that offers incredible image quality and features a dual focus system for fast phase detect autofocus in both viewfinder and live view movie modes burst shooting with continuous autofocus at 7 frames per second or up to 12 fps in live view silent shooting mode is an action photographer s dream videographers will love the d780 s uhd 4k video too all photographers will appreciate the security the camera s twin sd card slots provide p filled with detailed how to steps and full color illustrations i david busch s nikon d780 guide to digital photography i covers all the camera s capabilities 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 visual roadmap guide to the d780 a chapter with close up photos and descriptions of the camera s essential features and controls learn when to use each option and more importantly when i not i 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 nikon d780 today urban drainage has been thoroughly revised and updated to reflect changes in the practice and priorities of urban drainage new and expanded coverage includes sewer flooding the impact of climate change flooding models the move towards sustainability providing a descriptive overview of the issues involved as well as the engineering principles and analysis it draws on real world examples as well as models to

support and demonstrate the key issues facing engineers dealing with drainage issues it also deals with both the design of new drainage systems and the analysis and upgrading of existing infrastructure this is a unique and essential textbook for students of water environmental and public health engineering as well as a valuable resource for practising engineers the art science and craft of great landscape photography teaches photographers how to convert their visual peak experiences moments of extraordinary natural beauty that evoke a sense of wonder and awe into stunning images that elicit the same awestruck emotion in their viewers randall is an experienced wilderness photographer and whether you want to venture into the mountains for once in a lifetime shots of raw nature or simply hone your landscape photography skills from the safety of your back deck randall explains the art science and craft of creating astounding images randall begins by focusing on the art of landscape photography he describes his three step process for composing a photograph and shows how good composition is an organic process that begins with rules but ultimately transcends them randall then explores the science behind successful landscape photographs which requires understanding key concepts from geography optics vision and psychology these concepts include understanding how the position of the sun at sunrise and sunset varies throughout the year which will help you plan when and where to shoot understanding optics to predict where rainbows will appear how polarizers will interact with reflections and where to find spectacular light understanding how to use topographic maps and computerized mapping tools to help you find the most promising shooting locations in the wilderness understanding how our visual system analyzes images and the psychology of how we view art these insights will help you produce successful photographs exposure is a central aspect of the craft of landscape photography and randall tackles the challenges of this topic from every angle from tips on calculating exposures in the field to achieving correct exposure in high contrast lighting situations to the best digital darkroom techniques great landscape photography can be mastered with practice and by applying the techniques taught in this book the art science and craft of great landscape photography is intended for those who already understand the basics of photography and who are ready to master the finer nuances of creating magnificent landscape photographs foreword by reid callanan director santa fe photographic workshops learn all about the nikon d7000 the fun and friendly for dummies way whether you re a digital camera beginner or an experienced photographer this is the book you need to get the most out of the nikon d7000 the update to nikon s popular d90 model the helpful tips and tricks in this fun and easy guide will get you quickly up to speed on the d7000 s 16 megapixel sensor 1080 hd video capabilities eight frames per second burst improved iso and much more helps you get every bit of functionality out of the nikon d7000 camera walks you through its exciting new features including the 16 megapixel sensor 1080 hd video 8 frames per second burst improved iso and 39 autofocus points guides you through the basics and beyond on lighting exposure focus and color reviews the important steps of getting photos from the camera to a pc developing an effective file system and sharing photos via print or online shares photo retouching tips and unique features of the camera that can be applied to various shooting situations shoot stills shoot video and shoot you re a professional photographer it all starts here with this great guide trust the best selling official cert guide series from cisco press to help you learn prepare and practice for exam success they are built with the objective of providing assessment review and practice to help ensure you are fully prepared for your certification exam this book combined with ccna 200 301 official cert guide volume 1 covers all the exam topics on the ccna 200 301 exam master cisco ccna 200 301 exam topics assess your knowledge with chapter opening quizzes review key concepts with exam preparation tasks this is the ebook edition of ccna 200 301 official cert guide volume 2 this ebook does not include access to the pearson test prep practice exams that comes with the print edition ccna 200 301 official cert guide volume 2 presents you with an organized test preparation routine through the use of proven series elements and techniques do i know this already quizzes open each chapter and enable you to decide how much time you need to spend on each section exam topic lists make referencing easy chapter ending exam preparation tasks help you drill on key concepts you must know thoroughly ccna 200 301 official cert guide volume 2 from cisco press enables you to

succeed on the exam the first time and is the only self study resource approved by cisco best selling author wendell odom shares preparation hints and test taking tips helping you identify areas of weakness and improve both your conceptual knowledge and hands on skills this complete study package includes a test preparation routine proven to help you pass the exams do i know this already quizzes which enable you to decide how much time you need to spend on each section chapter ending key topic tables which help you drill on key concepts you must know thoroughly the powerful pearson test prep practice test software complete with hundreds of well reviewed exam realistic questions customization options and detailed performance reports a free copy of the ccna 200 301 network simulator volume 2 lite software complete with meaningful lab exercises that help you hone your hands on skills with the command line interface for routers and switches links to a series of hands on config labs developed by the author online interactive practice exercises that help you enhance your knowledge more than 50 minutes of video mentoring from the author an online interactive flash cards application to help you drill on key terms by chapter a final preparation chapter which guides you through tools and resources to help you craft your review and test taking strategies study plan suggestions and templates to help you organize and optimize your study time well regarded for its level of detail study plans assessment features hands on labs and challenging review questions and exercises this official study guide helps you master the concepts and techniques that ensure your exam success ccna 200 301 official cert guide volume 2 combined with ccna 200 301 official cert guide volume 1 walk you through all the exam topics found in the cisco 200 301 exam topics covered in volume 2 include ip access control lists security services ip services network architecture network automation companion website the companion website contains ccna network simulator lite software practice exercises 50 minutes of video training and other study resources see the where are the companion files on the last page of your ebook file for instructions on how to access in addition to the wealth of content this new edition includes a series of free hands on exercises to help you master several real world configuration activities these exercises can be performed on the ccna 200 301 network simulator lite volume 2 software included for free on the companion website that accompanies this book whilst camera specific guides provide the how to manual style information on how to use your particular model of camera this manufacturer specific guide provides you with all the information you need as a nikon dslr photographer to optimise your workflow and capture great images jim white and tony sweet show you how to increase the quality of your photos save time and work smarter starting with the most pressing questions which camera should you use which lens is best which accessories are must haves how can you get the most out of nikon s capture nx software in depth specific features of the newest nikon dslrs are also covered helping you to make your camera really work for you complete with practical advice key workflow solutions and detailed images that display multiple camera functions this book is a must have for every nikon photographer part of focal s digital workflow series this is the nikon version of the popular canon dslr the ultimate photographer s guide david busch s nikon d750 guide to digital slr photography is a comprehensive resource and reference for the nikon d750 the new full frame d slr featuring a swiveling lcd monitor wifi connectivity and other pro features with this book in hand you will explore the world of digital photography develop your creativity and take great photographs with the nikon d750 with clear how to steps and full color illustrations david busch s nikon d750 guide to digital slr photography covers your camera s features in depth from taking your first photos through advanced details of setup exposure lenses lighting and more and relates each feature to specific photographic techniques and situations also included is the handy nikon d750 roadmap an easy to use visual guide to the camera s features and controls with david busch as your guide you ll be in full creative control whether you re shooting on the job as an advanced hobbyist or are just out for fun start building your knowledge creativity and confidence with the nikon d750 today does inventory management sometimes feel like a waste of time learn how to maximize your inventory management process to use it as a tool for making important business decisions managing change in organizations a practice guide is unique in that it integrates two traditionally disparate world views on managing change organizational development human resources and portfolio program project

management by bringing these together professionals from both worlds can use project management approaches to effectively create and manage change this practice guide begins by providing the reader with a framework for creating organizational agility and judging change readiness this open access book gathers contributions presented at the international joint conference on mechanics design engineering and advanced manufacturing jcm 2020 held as a web conference on june 2 4 2020 it reports on cutting edge topics in product design and manufacturing such as industrial methods for integrated product and process design innovative design and computer aided design further topics covered include virtual simulation and reverse engineering additive manufacturing product manufacturing engineering methods in medicine and education representation techniques and nautical aeronautics and aerospace design and modeling the book is organized into four main parts reflecting the focus and primary themes of the conference the contributions presented here not only provide researchers engineers and experts in a range of industrial engineering subfields with extensive information to support their daily work they are also intended to stimulate new research directions advanced applications of the methods discussed and future interdisciplinary collaborations an easy to follow nikon d5600 photography class in a book your nikon d5600 is a powerful tool equipped to take top notch photos but unless you know how to use it to its full potential your professional grade camera will produce underwhelming amateur grade photos and that s where nikon d5600 for dummies comes in packed with all the expert tips and tricks you need to get your nikon to live up to its name this guide shows you how to use it to get truly striking shots in a flash written by an expert on all things nikon and brimming with inspiring full color photos the step by step instruction offered inside arms shutterbugs of all skill levels with the know how to turn any scene into a beautiful work of art whether you re looking to capture a cozy low light shot or forever memorialize an awesome action scene nikon d5600 for dummies will take your photography skills to picturesque new heights discover all your camera s features and capabilities get better photos in auto or manual mode adjust focus on the fly start speaking photography lingo like a pro even leonardo da vinci had to learn to work with paints and brushes before he could create the mona lisa before you let your frustration get the best of you take heed in the friendly guidance in nikon d5600 for dummies p b learn to master your nikon d780 and take full advantage of all its capabilities b p i mastering the nikon d780 i by darrell young provides a wealth of experience based information and insights for owners of the new d780 camera darrell is determined to help the user navigate past the confusion that often comes with complex and powerful professional camera equipment p p this book explores the features and capabilities of the camera in a way that far surpasses the user s manual it guides readers through the camera features with step by step setting adjustments color illustrations and detailed how when and why explanations for each option every button dial switch and menu configuration setting is explored in a user friendly manner with suggestions for setup according to various shooting styles p p darrell s friendly and informative writing style allows readers to easily follow directions while feeling as if a friend dropped in to share his knowledge the information in this book goes beyond the camera itself and also covers basic photography technique p credit risk management basic concepts is the first book of a series of three with the objective of providing an overview of all aspects steps and issues that should be considered when undertaking credit risk management including the basel ii capital accord which all major banks must comply with in 2008 the introduction of the recently suggested basel ii capital accord has raised many issues and concerns about how to appropriately manage credit risk managing credit risk is one of the next big challenges facing financial institutions the importance and relevance of efficiently managing credit risk is evident from the huge investments that many financial institutions are making in this area the booming credit industry in emerging economies e g brazil china india the many events courses seminars workshops that are being organised on this topic and the emergence of new academic journals and magazines in the field e g journal of credit risk journal of risk model validation journal of risk management in financial institutions basic concepts provides the introduction to the concepts techniques and practical examples to guide both young and experienced practitioners and academics in the fascinating but complex world of risk modelling financial risk

management an area of increasing importance with the recent basel ii developments is discussed in terms of practical business impact and the increasing profitability competition laying the foundation for books ii and iii this book provides a comprehensive overview of the latest developments and materials used in electrochemical energy storage and conversion devices including lithium ion batteries sodium ion batteries zinc ion batteries supercapacitors and conversion materials for solar and fuel cells chapters introduce the technologies behind each material in addition to the fundamental principles of the devices and their wider impact and contribution to the field this book will be an ideal reference for researchers and individuals working in industries based on energy storage and conversion technologies across physics chemistry and engineering features edited by established authorities with chapter contributions from subject area specialists provides a comprehensive review of the field up to date with the latest developments and research editors dr mesfin a kebede obtained his phd in metallurgical engineering from inha university south korea he is now a principal research scientist at energy centre of council for scientific and industrial research csir south africa he was previously an assistant professor in the department of applied physics and materials science at hawassa university ethiopia his extensive research experience covers the use of electrode materials for energy storage and energy conversion prof fabian i ezema is a professor at the university of nigeria nsukka he obtained his phd in physics and astronomy from university of nigeria nsukka his research focuses on several areas of materials science with an emphasis on energy applications specifically electrode materials for energy conversion and storage first published in 1999 the bridge engineering handbook is a unique comprehensive and state of the art reference work and resource book covering the major areas of bridge engineering with the theme bridge to the 21st century the world is being transformed physically and politically technology is the handmaiden of much of this change but since the current sweep of global change is transforming the face of warfare special operations forces sof must adapt to these circumstances fortunately adaptation is in the sof dna this book examines the changes affecting sof and offers possible solutions to the complexities that are challenging many long held assumptions the chapters explore what has changed what stays the same and what it all means for u s sof the authors are a mix of leading experts in technology business policy intelligence and geopolitics partnered with experienced special operators who either cowrote the chapters or reviewed them to ensure accuracy and relevance for sof our goal is to provide insights into the changes around us and generate ideas about how sof can adapt and succeed in the emerging operational environment i mastering the nikon z50 i by darrell young provides a wealth of experience based information and insights for owners of nikon s new mirrorless z50 camera darrell is determined to help the user navigate past the confusion that often comes with complex and powerful professional camera equipment p p this book explores the features and capabilities of the camera in a way that far surpasses the user s manual it guides readers through the camera features with step by step setting adjustments color illustrations and detailed how when and why explanations for each option every button dial switch and menu configuration setting is explored in a user friendly manner with suggestions for setup according to various shooting styles p p darrell s friendly and informative writing style allows readers to easily follow directions while feeling as if a friend dropped in to share his knowledge the information in this book goes beyond the camera itself and also covers basic photography technique p computing methodologies computer graphics experimental techniques in materials and mechanics provides a detailed yet easy to follow treatment of various techniques useful for characterizing the structure and mechanical properties of materials with an emphasis on techniques most commonly used in laboratories the book enables students to understand practical aspects of the methods and derive the maximum possible information from the experimental results obtained the text focuses on crystal structure determination optical and scanning electron microscopy phase diagrams and heat treatment and different types of mechanical testing methods each chapter follows a similar format discusses the importance of each technique presents the necessary theoretical and background details clarifies concepts with numerous worked out examples provides a detailed description of the experiment to be conducted and how the data could be tabulated and interpreted includes a large

number of illustrations figures and micrographs contains a wealth of exercises and references for further reading bridging the gap between lecture and lab this text gives students hands on experience using mechanical engineering and materials science engineering techniques for determining the structure and properties of materials after completing the book students will be able to confidently perform experiments in the lab and extract valuable data from the experimental results flash is a necessary and immensely creative tool that dramatically increases the opportunities of any amateur photographer however many amateurs find flash intimidating unsure of where to begin instead they continue limiting themselves to shooting only available light understanding flash photography is a guide to off camera flash helping free photographers from auto to get the images they want when natural light isn t enough if you ve been afraid to venture past natural light here is the book that will finally help you explore the exciting possibilities of artificial light author bryan peterson starts by breaking down how flash works then dispels the widely held myth that automatic ttl flash exposure is easier explaining how to quickly master manual flash exposure to control the quality shape and direction of light for the hundreds of thousands who found understanding exposure an exciting tool in moving past auto exposure in available light understanding flash photography is the essential companion to mastering the often challenging exposure puzzle a full color guide to canon s exciting new dslr camera whether it s your first dslr your first canon camera or simply a new tool for your photography your canon rebel t3i 600d has countless capabilities and you ll want to understand them all this book covers all the dials menus and controls showing you how to use each one it explains how to change and use various lenses and offers advice on exposure focus printing using flash sharing photos online and much more all with plenty of full color examples to show what you can achieve canon s popular t3i 600d offers a vast array of options for the new dslr photographer this book guides you through all the settings dials and menus explains how to use live view mode and record edit and playback video provides tips and advice on working with exposure manipulating focus and color switching from auto to manual controls and using lighting creatively shows how to get photos from the camera to the computer then edit and manage them using different software packages illustrated with full color photos from the author showing what you can achieve this fun and friendly book helps you to quickly and confidently take advantage of the many creative possibilities offered by your new canon camera this is a completely updated and revised version of a monograph published in 2002 by the nasa history office under the original title deep space chronicle a chronology of deep space and planetary probes 1958 2000 this new edition not only adds all events in robotic deep space exploration after 2000 and up to the end of 2016 but it also completely corrects and updates all accounts of missions from 1958 to 2000 provided by publisher i mastering the nikon d850 i by darrell young provides a wealth of experience based information and insights for owners of the new d850 camera darrell is determined to help the user navigate past the confusion that often comes with complex and powerful professional camera equipment p p this book explores the features and capabilities of the camera in a way that far surpasses the user s manual it guides readers through the camera features with step by step setting adjustments color illustrations and detailed how when and why explanations for each option every button dial switch and menu configuration setting is explored in a user friendly manner with suggestions for setup according to various shooting styles p p darrell s friendly and informative writing style allows readers to easily follow directions while feeling as if a friend dropped in to share his knowledge the information in this book goes beyond the camera itself and also covers basic photography technique p p p1 margin 0 0px 0 0px 0 0px 0 0px font 11 0px verdana p p2 margin 0 0px 0 0px 0 0px 0 0px font 11 0px verdana min height 13 0px manual on fans and pumps providing information on basic operating principles with simplified equations for estimating the energy requirements both retrofit and housekeeping equipment systems describing the devices and discussing their characteristics with regard to energy consumption and a series of energy management opportunities including worksheets to produce sample calculations of energy savings cost savings and simple payback a glossary is included high dynamic range imaging second edition is an essential resource for anyone working with images whether it is for computer graphics film video photography or

lighting design it describes hdri technology in its entirety and covers a wide range of topics from capture devices to tone reproduction and image based lighting the techniques described enable students to produce images that have a dynamic range much closer to that found in the real world leading to an unparalleled visual experience this revised edition includes new chapters on high dynamic range video encoding high dynamic range image encoding and high dynamic range display devices all existing chapters have been updated to reflect the current state of the art technology as both an introduction to the field and an authoritative technical reference this book is essential for anyone working with images whether in computer graphics film video photography or lighting design new material includes chapters on high dynamic range video encoding high dynamic range image encoding and high dynamic range display devices written by the inventors and initial implementors of high dynamic range imaging covers the basic concepts including just enough about human vision to explain why hdr images are necessary image capture image encoding file formats display techniques tone mapping for lower dynamic range display and the use of hdr images and calculations in 3d rendering range and depth of coverage is good for the knowledgeable researcher as well as those who are just starting to learn about high dynamic range imaging the prior edition of this book included a dvd rom files from the dvd rom can be accessed at erikreinhard.com/hdr/2nd/index.html mastering the nikon d7100 by darrell young provides a wealth of experience based information and insights for owners of the new d7100 camera darrell is determined to help the user navigate past the confusion that often comes with complex and powerful professional camera equipment this book explores the features and capabilities of the camera in a way that far surpasses the user s manual it guides readers through the camera features with step by step setting adjustments color illustrations and detailed how when and why explanations for each option every button dial switch and menu configuration setting is explored in a user friendly manner with suggestions for setup according to various shooting styles darrell s friendly and informative writing style allows readers to easily follow directions while feeling as if a friend dropped in to share his knowledge the learning experience for new d7100 users goes beyond just the camera itself and covers basic photography technique microscopy which has served as a fundamental scientific technique for centuries remains an invaluable tool in chemistry biology healthcare and forensics increasingly it is being integrated into modern chemical instrumentation and is of value as a powerful analytical tool across many scientific disciplines designed to serve as a primary resource for undergraduate or graduate students an introduction to microscopy helps students master the foundational principles of microscopy intentionally concise this text does not attempt to cover all aspects of all types of microscopy such as polarizing light and fluorescence instead the authors intent is to provide students with the basic knowledge necessary to explore and understand these more advanced techniques the authors draw from their own extensive backgrounds in forensic identification to explain the methods and ways in which microscopy shapes every investigation all nine chapters include questions and most include simple exercises related to the material covered numerous figures and photographs supplement the text and explain the procedures and principles introduced a glossary is included as well as a convenient list of abbreviations and references to more in depth readings offers a fundamental approach for students in all fields the material assumes basic mathematics skill through algebra and a basic knowledge of fundamental chemistry and physics essential for understanding optics although the authors used the high quality microscopes found in their laboratories to produce the images found in the book the information and methods can be applied to any type of microscope to which students have access understanding the fundamentals of microscopy provides students with a relevant and marketable skill that can be readily applied in many fields even if the students have not had significant academic training in the subject furthermore by understanding various aspects of microscopy students will begin to understand the science behind other related areas such as spectroscopy optics and any number of applications involving analytical instrumentation when it comes to photography it s all about the light after spending more than thirty years behind the lens working for national geographic time life and sports illustrated joe mcnelly knows about light he knows how to talk about it shape it color it control it and

direct it most importantly he knows how to create it using small hot shoe flashes in the hot shoe diaries joe brings you behind the scenes to candidly share his lighting solutions for a ton of great images using nikon speedlights joe lets you in on his uncensored thought process often funny sometimes serious always fascinating to demonstrate how he makes his pictures with these small flashes whether he s photographing a gymnast on the great wall an alligator in a swamp or a fire truck careening through times square joe uses these flashes to create great light that makes his pictures sing

ibm system z servers offer a full range of connectivity options for attaching peripheral or internal devices for input and output to the server at the other end of these connections are a variety of devices for data storage printing terminal i o and network routing this combination of connectivity and hardware offer system z customers solutions to meet most connectivity requirements however to make use of these features the system z server must be properly configured this ibm redbooks publication takes a high level look at the tools and processes involved in configuring a system z server we provide an introduction to the system z channel subsystem and the terminology frequently used in the hardware definition process we examine the features and functions of tools used in the hardware definition process such as hcd chpid mapping tool and hcm we discuss the input and output of these tools iodf iocp iocds and their relationship to one another we also provide a high level overview of the hardware configuration process the flow of generating a valid i o configuration we provide configuration examples using both hcd and hcm the book also discusses available new functions and guidelines for the effective use of hcd and hcm this document is intended for system programmers and administrators who are responsible for defining and activating hardware changes to z os and system z servers and for the ibm representatives who need this information general knowledge of z os and iocp is assumed

does your child dream of winning a school spelling bee or even competing in the scripps national spelling bee in the washington d c area you ve found the perfect place to start words of the champions your key to the bee is the new official study resource from the scripps national spelling bee help prepare your child for a 2020 or 2021 classroom grade level school regional district or state spelling bee with this list of 4 000 spelling words the school spelling bee study list featuring 450 words is part of the total collection all words in this guide may be found in our official dictionary merriam webster unabridged unabridged merriam webster com everything you need to know to take amazing photos with your nikon d600 this full color portable guide goes beyond the owner s manual to deliver clear succinct descriptions of how the nikon d600 s features and functions work perfectly sized to fit in your camera bag this portable guide offers professional advice on everything from composing a variety of shots to choosing lenses and downloading photos veteran author j dennis thomas clearly explains how to get the exact shots you want when you want them and shares beautiful color photos from his own collection features step by step instructions and full color images of each menu screen teaches you how to adjust white balance autofocus exposure and choose lenses and when and why to use each of those settings covers the essentials of lighting composition and exposure includes a bonus gray and color checker card that allows new dslr owners to capture perfect color in any environment packed with amazing examples nikon d600 digital field guide helps you master all the menus modes and controls of this feature filled dslr and presents you with a variety of tips and tricks to capturing portraits candids sports travel macro photography and much more

structural impact is concerned with the behaviour of structures and components subjected to large dynamic impact and explosive loads which produce inelastic deformations it is of interest for safety calculations hazard assessments and energy absorbing systems throughout industry the first five chapters introduce the rigid plastic methods of analysis for the static behaviour and the dynamic response of beams plates and shells the influence of transverse shear rotatory inertia finite displacements and dynamic material properties are introduced and studied in some detail dynamic progressive buckling which develops in several energy absorbing systems and the phenomenon of dynamic plastic buckling are introduced scaling laws are discussed which are important for relating the response of small scale experimental tests to the dynamic behaviour of full scale prototypes this text is invaluable to undergraduates graduates and professionals learning about the behaviour of structures subjected to

large impact dynamic and blast loadings producing an inelastic response your plain english full color guide to the nikon d7200 your nikon d7200 comes packed with enough power to satisfy even seasoned photographers unfortunately it doesn't come with an easy guide on how to adjust the camera's settings to get the photos you want that's where nikon d7200 for dummies comes in brimming with the tips tricks and friendly instruction you'd gain in a basic photography course it shows you how to get the very most out of your new nikon d7200 without losing your cool written by an experienced photographer and photography teacher this fun no nonsense guide quickly gets you up and running on taking your first photos in automatic mode then moves on to help you grasp more advanced features like controlling exposure adjusting color and focus for better results using scene modes and priority modes shooting portraits action shots outdoor shots and night images and so much more navigate your camera's buttons dials and settings apply pro tricks to get better color focus and sharpness from your images control exposure settings and jump from auto mode to manual make sense of tricky material through full color explanations of core photography concepts if you're the proud new owner of a nikon d7200 but don't have a ton or any experience with cameras this hands on guide will have you taking photos like a pro in no time a high level overview of networking data science and computer security designed for readers who don't care for academic formalities it's a fast and easy guide it teaches the foundations programmers and knowledge workers need to maximize their effectiveness it explains how the internet works from the ground up how to analyse and derive knowledge from data and how computers are able to predict the future with machine learning