these two volumes constitute the refereed proceedings of the first international conference on intelligent robotics and applications ICIRA 2008 held in Wuhan China in October 2008. The 265 revised full papers presented were thoroughly reviewed and selected from 552 submissions. They are devoted but not limited to robot motion planning and manipulation, robot control, cognitive robotics, rehabilitation robotics, health care, and artificial limb. Robot learning, robot vision, human machine interaction, coordination, mobile robotics, micro, nano, and mechanical systems, manufacturing, automation, multi-axis surface machining, and real-world applications. 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 teach 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 the menus, modes, and controls of this feature-rich DSLR and presents you with a variety of tips and tricks for capturing portraits, candid shots, sports, travel, macro photography, and much more. You need to know to take full advantage of your Nikon D7100. This full-color guide is packed with expert advice that will both educate and inspire you to take amazing photographs with your Nikon D7100. Filled with stunning images by author and photographer J. Dennis Thomas, this guide goes beyond the owner's manual to offer you helpful tips, tricks, and techniques for using the camera's many features and explains when and how to use each function. Features: A handy trim size so the book can go where you go, allowing you to frequently refer to the professional level techniques for capturing memorable photos and handling tricky situations. Includes full-color images of each menu screen to reinforce your understanding. Contains a grey and color checker card to help you capture perfect white balance and color in any environment. Shares helpful examples that offer advice on taking portraits, candid shots, sports, travel, macro photography, and much more. Nikon D7100 Digital Field Guide is the perfect portable companion to your new Nikon D7100 today. Successful cinematographer must be equal parts artist, technician, and business person. The cinematographer needs to master the arts of lighting, composition, framing, and other aesthetic considerations as well as the technology of digital cameras, recorders, and workflows and must know how to choose the right tools within their budget to get the job done. David Stump's Digital Cinematography focuses on the tools and technology of the trade looking at how digital cameras work and the ramifications of choosing one camera versus another and how those choices help creative cinematographers to tell a story. This book empowers the reader to correctly choose the appropriate camera and workflow for their project from today's incredibly varied options as well as understand the ins and outs of implementing those options. Veteran ASC cinematographer David Stump has updated this edition with the latest technology for cameras, lenses, and recorders as well as a new section on future cinematographic trends ideal for advanced cinematography students as well as working professionals looking for a resource to stay on top of the latest trends.
about 200,000 entries, StarBriefs Plus represents the most comprehensive and accurately validated collection of abbreviations, acronyms, contractions, and symbols within astronomy-related space sciences and other related fields, as such: this invaluable reference source and its companion volume, StarGuides Plus, should be on the reference shelf of every library organization or individual with any interest in these areas besides astronomy and associated space sciences-related fields such as aeronautics, aeronomy, astronautics, atmospheric sciences, chemistry, communications, computer sciences, data processing, education, electronics, engineering, energetics, environment, geodesy, geophysics, information handling, management mathematics, meteorology, optics, physics, remote sensing, and so on. Are also covered when justified terms in common use or of general interest have also been included where appropriate. One of the most thorough introductions available to the world’s most popular microcontroller for the first time in a single reference, this book provides the beginner with a coherent and logical introduction to the hardware and software of the PIC32, bringing together key material from the PIC32 Reference Manual, Data Sheets, XC32 C Compiler User’s Guide, Assembler and Linker Guide, MIPS32 CPU Manuals, and Harmony Documentation. This book also trains you to use the Microchip documentation, allowing better life-long learning of the PIC32. The philosophy is to get you started quickly, but to emphasize fundamentals and to eliminate magic steps that prevent a deep understanding of how the software you write connects to the hardware applications. Focus on mechatronics—microcontroller-controlled electromechanical systems incorporating sensors and actuators to support a learn-by-doing approach, you can follow the examples throughout the book using the sample code and your PIC32 development board. The exercises at the end of each chapter help you put your new skills to practice and coverage includes a practical introduction to the C programming language, getting up and running quickly with the PIC32, an exploration of the hardware architecture of the PIC32, and differences among PIC32 families. Fundamentals of embedded computing with the PIC32 including the build process, time, memory efficient programming, and interrupts. A peripheral reference with extensive sample code covering digital input and output, counter, timers, PWM, analog input, input capture, watchdog timer, and communication by the parallel master port, SPI, I2C, can USB, and UART. An introduction to the Microchip Harmony programming framework, essential topics in mechatronics including interfacing sensors to the PIC32, digital signal processing, theory of operation, and control of brushed DC motors, motor sizing, and gearing, and other actuators such as stepper motors, RC servos, and brushless DC motors; for more information on the book and to download free sample code please visit nu32.org. Extensive, freely downloadable sample code for the Nu32 Development Board incorporating the PIC32MX795F512H microcontroller. Free online instructional videos to support many of the chapters. Singapore’s leading tech magazine gives its readers the power to decide with its informative articles and in-depth reviews. Infoworld is targeted to senior IT professionals. Content is segmented into channels and topic centers. Infoworld also celebrates people, companies, and projects. 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. Touch screen tablets have greatly expanded the technology accessible to preschoolers, toddlers, and even infants. Given that they do not require the fine motor skills required for using traditional computers, many parents and educators wish to make evidence-based decisions regarding young children’s technology use. Yet technological advancements continue to occur faster than researchers can keep up with. Accordingly, despite touch screen tablets entering society more than 5 years ago, we are in the infancy of research concerning interactive media and children. The topic has gained traction in the past couple of years for example. Theoretical papers have discussed how interactive media activities differ from physical toys and passive media. Christakis 2014 and how educational apps development should utilize the four pillars of learning. Hirsh, Pasek et al. 2015. Yet there has been little experimental research published on young children and touch screen use. Infoworld is targeted to senior IT professionals. Content is segmented into channels and topic centers. Infoworld also.
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today s successful cinematographer must be equal parts artist technician and business person the cinematographer needs to master the arts of lighting composition framing and other aesthetic considerations as well as the technology of digital cameras recorders and workflows and must know how to choose the right tools within their budget to get the job done david stump s digital cinematography focuses on the tools and technology of the trade looking at how digital cameras work
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for the first time in a single reference this book provides the beginner with a coherent and logical introduction to the hardware and software of the pic32 bringing together key material from the pic32 reference manual data sheets x32 c compiler user's guide assembler and linker guide mips32 cpu manuals and harmony documentation this book also trains you to use the microchip documentation allowing better life long learning of the pic32 the philosophy is to get you started quickly but to emphasize fundamentals and to eliminate magic steps that prevent a deep understanding of how the software you write connects to the hardware applications focus on mechatronics microcontroller controlled electromechanical systems incorporating sensors and actuators to support a learn by doing approach you can follow the examples throughout the book using the sample code and your pic32 development board the exercises at the end of each chapter help you put your new skills to practice coverage includes a practical introduction to the c programming language getting up and running quickly with the pic32 an exploration of the hardware architecture of the pic32 and differences among pic32 families fundamentals of embedded computing with the pic32 including the build process time and memory efficient programming and interrupts a peripheral reference with extensive sample code covering digital input and output counter timers pwm analog input input capture watchdog timer and communication by the parallel master port spi i2c can usb and uart an introduction to the microchip harmony programming framework essential topics in mechatronics including interfacing sensors to the pic32 digital signal processing theory of operation and control of brushed dc motors motor sizing and gearing and other actuators such as stepper motors rc servos and brushless dc motors for more information on the book and to download free sample code please visit nu32 org extensive freely
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touch screen tablets have greatly expanded the technology accessible to preschoolers toddlers and even infants given that they do not require the fine motor skills required for using traditional computers many parents and educators wish to make evidence based decisions regarding young children’s technology use yet technological advancements continue to occur faster than researchers can keep up with accordingly despite touch screen tablets entering society more than 5 years ago we are in the infancy of research concerning interactive media and children the topic has gained traction in the past couple of years for example theoretical papers have discussed how interactive media activities differ from physical toys and passive media christakis 2014 and how educational apps development should utilise the four pillars of learning hirsh pasek et al 2015 yet there has been little experimental research published on young children and touch screen use

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