
How To Change Source Resolution

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Introduction to Medical Physics Springer Science & Business Media
Designed for media professionals working across a broad range of formats, *Developer's Digital Media Reference* is an excellent reference guide for those keeping pace with this dynamic industry. As "convergence" between the World Wide Web, multimedia, and television production communities continues, there is an increased demand for

professionals to familiarize themselves with the many new delivery contexts, including hybrid DVD (where digital video content and computer data live on the same disc), interactive TV, and streaming media. *Developer's Digital Media Reference* covers essential technologies such as SVG (scalable vector graphics), SMIL (Synchronized Multimedia Integration Language, a markup language for creating animations on the web), MPEG-4 (compression standard for streaming audio/video), and Dynamic Web Applications. In addition to serving as a quick-look-up guide, this text is organized to explain

today's major media: server-based architectures, disc-based architectures, distribution architectures, and merging/shared architectures. Each topic is discussed in terms of the technological background-evolution, current tools, and production tips and techniques.

Congressional Record Peachpit Press

The Impact of Climate Change on America's Forests

Interferometry and Synthesis in Radio

Astronomy Academic Press

This timely overview of dose, benefit, and risk in medical imaging explains to readers how to apply this information for informed decision-making that improves patient outcomes. The chapters cover patient and physician perspectives, referral

guidelines, appropriateness criteria, and quantifying medical imaging benefits. The authors have included essential discussion about radiologic physics in medical imaging, fundamentals of dose and image quality, risk assessment, and techniques for optimization and dose reduction. The book highlights practical implementation aspects with useful case studies and checklists for treatment planning. Clinicians, students, residents, and professionals in medical physics, biomedical engineering, radiology, oncology, and allied disciplines will find this book an essential resource with the following key features: Discusses risk, benefit, dose optimization, safety, regulation, radiological protection, and shared & informed decision-making. Covers regulatory oversight by government agencies, manufacturers, and societies.

Highlights best practices for improving patient safety and outcomes. Gives guidelines on doses associated with specific procedures.

Annual Report of the United States Tariff Commission for the Fiscal Year Ended ... John Wiley & Sons

This open access book represents a comprehensive review of available land-use cover data and techniques to validate and analyze this type of spatial information. The book provides the basic theory needed to understand the progress of LUCC mapping/modeling validation practice. It makes accessible to any interested user most of the research community's methods and techniques to validate LUC maps and models. Besides, this book is enriched with practical exercises to be applied with QGIS. The book includes a description of

relevant global and supra-national LUC datasets currently available. Finally, the book provides the user with all the information required to manage and download these datasets. Dose, Benefit, and Risk in Medical Imaging Springer This book is open access under a CC BY-NC 4.0 license. The third edition of this indispensable book in radio interferometry provides extensive updates to the second edition, including results and technical advances from the past decade; discussion of arrays that now span the full range of the radio part of the electromagnetic spectrum observable from the ground, 10 MHz to 1 THz; an analysis of factors that affect array speed; and an expanded discussion of digital signal-processing techniques and of scintillation phenomena and

the effects of atmospheric water vapor on image distortion, among many other topics. With its comprehensiveness and detailed exposition of all aspects of the theory and practice of radio interferometry and synthesis imaging, this book has established itself as a standard reference in the field. It begins with an overview of the basic principles of radio astronomy, a short history of the development of radio interferometry, and an elementary discussion of the operation of an interferometer. From this foundation, it delves into the underlying relationships of interferometry, sets forth the coordinate systems and parameters to describe synthesis imaging, and examines configurations of antennas for multielement

synthesis arrays. Various aspects of the design and response of receiving systems are discussed, as well as the special requirements of very-long-baseline interferometry (VLBI), image reconstruction, and recent developments in image enhancement techniques and astrometric observations. Also discussed are propagation effects in the media between the source and the observer, and radio interference, factors that limit performance. Related techniques are introduced, including intensity interferometry, optical interferometry, lunar occultations, tracking of satellites in Earth orbit, interferometry for remote Earth sensing, and holographic measurements of antenna surfaces. This book will benefit anyone who is interested in radio

interferometry techniques for astronomy, astrometry, geodesy, or electrical engineering.

A Compton Scatter Camera for Spectral Imaging of 0.5 to 3.0 MeV Gamma Rays CRC Press

Clinical Nuclear Cardiology—now in its fourth edition—covers the tremendous clinical growth in this field, focusing on new instrumentation and techniques. Drs. Barry L. Zaret and George A Beller address the latest developments in technology, radiopharmaceuticals, molecular imaging, and perfusion imaging. Thoroughly revised to include 20 new chapters—Digital/Fast SPECT, Imaging in Revascularized Patients, and more—this new edition provides state-of-the-art

guidance on key areas and hot topics with stunning visuals.

Online access to the fully searchable text at expertconsult.com includes highly illustrated case studies that let you see the problem using a variety of imaging modalities. In other words, this is an invaluable resource no clinician or researcher in nuclear cardiology should be without. Features an editorial and contributing team of worldwide leaders in nuclear cardiology to provide you with current and authoritative guidance. Includes a section focusing on acute coronary syndromes to provide you with practical management tools for these conditions. Presents a full-color design that allows color images to be integrated throughout the text. Includes access to the fully searchable contents of the book online at

expertconsult.com, along with highly illustrated case studies that let you see the problem using a variety of imaging modalities. Features 20 new chapters including Cellular Mechanisms of Tracer Uptake and Clearance; Attenuation/Scatter Corrections: Clinical Aspects; Hybrid Imaging; Digital/Fast SPECT; Imaging in Revascularized Patients; and more. Focuses on perfusion imaging in a section dedicated to this hot topic so you get all the information you need to stay current.

NASA Reference Publication
IGI Global

This practical book describes the key operations of ARIS Toolset - the market leading Business Process Modelling Tool. Based on his experience of using ARIS in British Telecommunications plc, the author describes practical

ways of using the tool. Using screen shots and plenty of practical examples, Rob Davis shows how ARIS can be used to model business processes. Throughout the book Davis provides readers with tips and short-cuts, enabling users to start modelling quickly and effectively. He also provides insights into the ARIS concepts, and tells readers about the benefits and trade-offs of using the tool in alternative ways. Unlike other books, this practical guide tackles issues found in real projects.

Introduction to Functional
Magnetic Resonance Imaging
CRC Press

This book constitutes the refereed proceedings of the 15th International Conference on Fundamental Approaches to Software Engineering, FASE 2012, held in Tallinn, Estonia, in March/April 2012, as part of ETAPS 2012, the European Joint Conferences on Theory and

Practice of Software. The 33 full papers presented together with one full length invited talk were carefully reviewed and selected from 134 submissions. The papers are organized in topical sections on software architecture and components, services, verification and monitoring, intermodelling and model transformations, modelling and adaptation, product lines and feature-oriented programming, development process, verification and synthesis, testing and maintenance, and slicing and refactoring.

Earth Observation for Water Resources Management The Impact of Climate Change on America's Forests Abstract: "This report documents trends and impacts of climate change on America's forests as required by the Renewable Resources Planning Act of 1974. Recent research on the impact of climate and elevated atmospheric carbon dioxide on plant productivity is synthesized. Modeling

analyses explore the potential impact of climate changes on forests, wood products, and carbon in the United States." Photoshop CC Microbehavioral Econometric Methods and Environmental Studies uses microeconomic methods to model the behavior of individuals, then demonstrates the modelling approaches in addressing policy needs. It links theory and methods with applications, and it incorporates data to connect individual choices and global environmental issues. This extension of traditional environmental economics presents modeling strategies and methodological techniques, then applies them to hands-on examples. Throughout the book, readers can access chapter summaries, problem

sets, multiple household survey data with regard to agricultural and natural resources in Sub-Saharan Africa, South America, and India, and empirical results and solutions from the SAS software. Emphasizes ways that choices and outcomes are modelled simultaneously
Illuminates relationships between micro decisions and global environmental systems
Uses software and cases in analyzing environmental policy issues
Links microeconomic models to applications in environmental economics and thereby connects individual choices with global environmental issues

McGraw Hill

Why do some leaders succeed and others fail? Is there a magic ingredient that the leaders must consider in their career journey to ensure

the joy ride does not turn into a nightmare? What is the key to maximizing leaders' success in ways that are sustainable long term? The purpose of this book is to provide a simple road map for leaders, aspiring leaders, students, and anyone interested in the art of leadership to succeed in high-risk environments. Often, leaders don ' t know what they don ' t know. One main culprit is the lack of assessing, measuring, analyzing, and addressing risk. Simply put, we don ' t know what we don ' t measure. What is not known can and will eventually harm leaders, organizations, and their customers. Change is the new normal and only constant. As change grows, so does risk. Risk can be a friend or foe to thought leaders. It all depends on perspective, insight, and knowledge. Ignorance is never bliss, and

leaders must leverage knowledge to mitigate risks at every turn. In *The 10 Cardinal Sins of Leadership: What Thought Leaders Must Never Do to Succeed in High-Risk Environments*, readers will learn: How to identify, measure, analyze, and address various types of risk How to determine if risk is a friend or a foe Strategic planning concepts that will allow leaders to magnify, plan for, leverage, and marginalize risks long term Methods to ensure that inclusion efforts do not become overly exclusive, thus excluding key stakeholders and creating new levels of organizational risk Techniques for looking back at organizational yesteryears to create a high-performing journey map for the road ahead The value of perspective — how we view things determines how we

respond or wait to be disrupted unknowingly *Economics of Land Degradation and Improvement — A Global Assessment for Sustainable Development* Springer This textbook provides an accessible introduction to the basic principles of medical physics, the applications of medical physics equipment, and the role of a medical physicist in healthcare. *Introduction to Medical Physics* is designed to support undergraduate and graduate students taking their first modules on a medical physics course, or as a dedicated book for specific modules such as medical imaging and radiotherapy. It is ideally suited for new teaching schemes such as *Modernising Scientific Careers* and will be invaluable for all medical physics students worldwide.

Key features: Written by an experienced and senior team of medical physicists from highly respected institutions The first book written specifically to introduce medical physics to undergraduate and graduate physics students Provides worked examples relevant to actual clinical situations

EBOOK: Contemporary Management - MEE, 2e Elsevier Health Sciences

Introduction to Remote Sensing Principles and Concepts provides a comprehensive student introduction to both the theory and application of remote sensing. This textbook * introduces the field of remote sensing and traces its historical development and evolution * presents detailed explanations of core remote sensing principles and concepts providing the theory required for a clear understanding of remotely sensed images. * describes important remote sensing platforms - including Landsat, SPOT and NOAA * examines and

illustrates many of the applications of remotely sensed images in various fields. A unique World Wide Web site accompanies this textbook. Developed for the users of Netscape 3 / Internet Explorer or above, this site offers: * over 45 full colour images with descriptions * examples illustrating remote sensing applications for meteorology, geology, vegetation studies, urban studies and oceanography * material from the Americas, the UK, Ireland, Africa, Australasia, Africa and Western Europe * Image exercises, with answers * Shorter questions and answers on remote sensing * An online glossary of terms, links to sources of useful remote sensing information available online.

[The Impact of Climate Change on America's Forests](#) IOS Press Abstract: "This report documents trends and impacts of climate change on America's forests as required by the Renewable Resources Planning Act of 1974. Recent research on the impact of climate and elevated atmospheric carbon dioxide on plant productivity is synthesized. Modeling analyses explore the

potential impact of climate changes on forests, wood products, and carbon in the United States."

Journal of Research of the National Bureau of Standards
Springer Nature

The Second Edition of the bestselling Measurement, Instrumentation, and Sensors Handbook brings together all aspects of the design and implementation of measurement, instrumentation, and sensors. Reflecting the current state of the art, it describes the use of instruments and techniques for performing practical measurements in engineering, physics, chemistry, and the life sciences and discusses processing systems, automatic data acquisition, reduction and analysis, operation characteristics, accuracy, errors, calibrations, and the incorporation of standards for control

purposes. Organized according to measurement problem, the Electromagnetic, Optical, Radiation, Chemical, and Biomedical Measurement volume of the Second Edition: Contains contributions from field experts, new chapters, and updates to all 98 existing chapters Covers sensors and sensor technology, time and frequency, signal processing, displays and recorders, and optical, medical, biomedical, health, environmental, electrical, electromagnetic, and chemical variables A concise and useful reference for engineers, scientists, academic faculty, students, designers, managers, and industry professionals involved in instrumentation and measurement research and development, Measurement, Instrumentation, and Sensors

Handbook, Second Edition: Electromagnetic, Optical, Radiation, Chemical, and Biomedical Measurement provides readers with a greater understanding of advanced applications.

Clinical Nuclear Cardiology: State of the Art and Future Directions E-Book Springer Science & Business Media

The Second Middle East Edition blends theory with contemporary management practice. Dr. Marina Apaydin (American University of Beirut) joins the authoring team in this edition for significant enhancements to content and presentation of topics. New chapter-opening cases have been added to feature companies and management personalities from the Middle East. Management Insights vignettes offer balanced representation of international as well as local, small-to-medium sized companies and start-ups, to ensure applicability of theory in a variety of contexts. Updated content and improved topics coverage ensure closer alignment

with introductory management courses:

- Two new topics have been added on the history of management in the Arab world in Chapter 2, and Islamic ethics in Chapter 5.
- Improved content coverage includes a new Chapter 3 focusing on the Manager as a Person.
- Improved and streamlined coverage of managerial processes relating to organizational culture in Chapter 4.
- Managing in the Global Environment includes revised terminology consistent with International Business courses.
- Chapters 8 through 11 have gone through substantial revision to focus on control as part of managing the organizational structure, and organizational learning as part of change and innovation.
- Chapter 16 includes contemporary topics on communication including social media, influencers, and a guide to networking.

Dr. Marina Apaydin is an Assistant Professor of Strategic Management at the Olayan School Business at the American University of Beirut, Lebanon. Dr. Omar Belkohodja is an Associate Professor of Strategic Management and International

Business at the School of Business Administration at the American University of Sharjah, UAE.
Developer's Digital Media Reference Academic Press
A new way of looking at Wittgenstein: as an exile from an earlier cultural era. Ludwig Wittgenstein's Tractatus Logico-Philosophicus (1922) and Philosophical Investigations (1953) are among the most influential philosophical books of the twentieth century, and also among the most perplexing. Wittgenstein warned again and again that he was not and would not be understood. Moreover, Wittgenstein's work seems to have little relevance to the way philosophy is done today. In Wittgenstein in Exile, James Klagge proposes a new way of looking at Wittgenstein—as an exile—that helps make sense of this. Wittgenstein's

exile was not, despite his wanderings from Vienna to Cambridge to Norway to Ireland, strictly geographical; rather, Klagge argues, Wittgenstein was never at home in the twentieth century. He was in exile from an earlier era—Oswald Spengler's culture of the early nineteenth century. Klagge draws on the full range of evidence, including Wittgenstein's published work, the complete Nachlaß, correspondence, lectures, and conversations. He places Wittgenstein's work in a broad context, along a trajectory of thought that includes Job, Goethe, and Dostoyevsky. Yet Klagge also writes from an analytic philosophical perspective, discussing such topics as essentialism, private experience, relativism, causation, and eliminativism.

Once we see Wittgenstein's exile, Klagge argues, we will gain a better appreciation of the difficulty of understanding Wittgenstein and his work.

Nuclear Science Abstracts
CRC Press

Specialists in the technical components of a synchrotron light source are usually well versed in their field and in the associated technical literature.

However, with the rapid and continuing growth of synchrotron radiation research, and with new facilities coming online and being authorized for design and construction around the world, there is a need for a reference book that describes the various technical components of a synchrotron light source in a manner that will be useful to those who lack specialized technical background, but who have responsibility for some part

of the design, construction, operation or development of such a facility. This would include technicians, engineers and physicists who have technical background in related fields but no specific experience with a synchrotron light source, and also project managers, laboratory directors, and government officials involved with synchrotron light facilities. College level scientific or engineering training or the equivalent experience is assumed and appropriate mathematics is used throughout. However, the basic concepts in each chapter are given in less technical language and a glossary of terms as well as an index will make the book useful for those with less technical training or experience.

[Business Process Modelling](#)

with ARIS Peachpit Press
Readers discover how to maximize the advantages that the latest version of Microsoft Word has to offer with Shelly Cashman Series MICROSOFT OFFICE 365 & WORD 2016: INTERMEDIATE. This new edition is part of the acclaimed Shelly Cashman Series that has effectively introduced computer skills to millions. Shelly Cashman Series MICROSOFT OFFICE 365 & WORD 2016: INTERMEDIATE continues the Series' strong history of innovation with an enhanced learning approach that addresses the varied learning styles of today's readers. A trademark step-by-step, screen-by-screen approach encourages readers to expand their understanding of both basic and advanced Microsoft Word 2016 skills through experimentation, critical thought, and personalization. This new edition promises to engage, improve retention, and

prepare readers for success with Microsoft Word 2016.
Important Notice: Media content referenced within the product description or the product text may not be available in the ebook version.
Canadian Journal of Physics
CRC Press
Includes proceedings that cover 84 papers, presented at the 'Remote Sensing for a Changing Europe' symposium held in Istanbul, Turkey (2-5 June 2008).
Solid State Psychology Press
Functional Magnetic Resonance Imaging (fMRI) has become a standard tool for mapping the working brain's activation patterns, both in health and in disease. It is an interdisciplinary field and crosses the borders of neuroscience, psychology, psychiatry, radiology, mathematics, physics and engineering. Developments in techniques, procedures and our understanding of this field are

expanding rapidly. In this second edition of Introduction to Functional Magnetic Resonance Imaging, Richard Buxton – a leading authority on fMRI – provides an invaluable guide to how fMRI works, from introducing the basic ideas and principles to the underlying physics and physiology. He covers the relationship between fMRI and other imaging techniques and includes a guide to the statistical analysis of fMRI data. This book will be useful both to the experienced radiographer, and the clinician or researcher with no previous knowledge of the technology.