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The process of publishing a book has changed significantly over the past 10 years. Thanks to companies like Amazon, Google, and Leanpub, you can publish your book on your own. This book can help you to overcome all the obstacles along the way, using the most powerful typesetting software available (LaTeX and Overleaf). Bundled with this book is a template that will give you a head start in your publishing process. In fact, this very book was produced with the same template. You can check out the template here: https://www.overleaf.com/latex/templates/book-template-for-amazon-kdp-and-google-play-e-book-and-pdf/dypgzfzmhnmc Still unsure whether this book is for you? Are you a first-time author with a completed manuscript that you are ready to publish? Or do you write novels in Word but now want to write a non-fiction book? Perhaps you are a professional editor seeking to expand your services from merely editing Word files to helping to release books online? Are you spending a lot of time indexing or managing bibliographical references? You may already be a LaTeX expert who wants to publish your work as an e-book. Are you planning a series and need to reuse text blocks? Are you looking for ways to share your work and collaborate with others? Are you looking for support to help you with diagrams and graphics? Besides providing you with a free, ready-to-use template (for the new Overleaf platform) to publish your next book, Better Books with LaTeX can teach you: - Advantages of using LaTeX instead of Word. - The basics of LaTeX to get you started and to make small adjustments to the template included with this book. - Special requirements for final polishing (images, blank spaces, page breaks, etc.) to make a professional-looking book / e-book. And how to: - Better manage bibliographical references in order to save time and reduce mistakes. - Better manage indexes in order to save time during index creation and after page changes. - Re-use glossary items and other text blocks to save time when writing a series. - Create a book cover, add LaTeX graphics, and work with a designer to help you create an appealing book that sells. What would lead a computer scientist to write about publishing books with LaTeX? Clemens Lode has a passion for clean design and streamlined workflows in software projects. The same methods can be applied to publishing and typesetting. In this book, he explains the provided book template—file by file—so that you can adapt it to your needs and concentrate on actually writing and marketing the book. With his Better Books series, Clemens Lode covers the entire publishing process, from your initial concept to marketing your book on Amazon or Google. The focus of this book is to organize your book's files, images, and formatting, as well as the automated process of uploading your book to a publisher. The focus of Writing Better Books the Agile Way is to organize your content and project as a whole. Table of Contents: - Comparison of Word and LaTeX - Generate Your First E-book - Filling the Template - LaTeX Basics - Bibliography and Citations - Index Creation - E-Book / PDF Specific Content - Template Management - Polishing for E-book Release - Polishing for Print - Publishing on Amazon KDP - How to Create Cover Graphics - Publishing on Google Play - Writing a Series

More Math Into LaTeX

Springer Science & Business Media This is the fourth edition of the standard introductory text and complete reference for scientists in all disciplines, as well as engineers. This fully revised version includes important updates on articles and books as well as information on a crucial new topic: how to create transparencies and computer projections, both for classrooms and professional meetings. The text maintains its user-friendly, example-based, visual approach, gently easing readers into the secrets of Latex with The Short Course. Then it introduces basic ideas through sample articles and documents. It includes a visual guide and detailed exposition of multiline math formulas, and even provides instructions on preparing books for publishers.

Math into LaTeX

Springer Science & Business Media A new chapter "A Visual Introduction to MikTeX," an open source implementation of TeX and LaTeX for Windows operating systems Another new chapter describing amsrefs, a simpler method for formatting references that incorporates and replaces BibTeX data Integrates a major revision to the amsart document class, along with updated examples

LaTeX Cookbook

Packt Publishing Ltd Over 100 hands-on recipes to quickly prepare LaTeX documents of various kinds to solve challenging tasks About This Book Work with modern document classes, such as KOMA-Script classes Explore the latest LaTeX packages, including TikZ, pgfplots, and biblatex An example-driven approach to creating stunning graphics directly within LaTeX Who This Book Is For If you already know the basics of LaTeX and you like to get fast, efficient solutions, this is the perfect book for you. If you are an advanced reader, you can use this book's example-driven format to take your skillset to the next level. Some familiarity with the basic syntax of LaTeX and how to use the editor of your choice for compiling is required. What You Will Learn Choose the right document class for your project to customize its features Utilize fonts globally and locally Frame, shape, arrange, and annotate images Add a bibliography, a glossary, and an index Create colorful graphics including diagrams, flow charts, bar charts, trees, plots in 2d and 3d, time lines, and mindmaps Solve typical tasks for various sciences including math, physics, chemistry, electrotechnics, and computer science Optimize PDF output and enrich it with meta data, annotations, popups, animations, and fill-in fields Explore the outstanding capabilities of the newest engines and formats such as XeLaTeX, LuaLaTeX, and LaTeX3 In Detail LaTeX is a high-quality typesetting software and is very popular, especially among scientists. Its programming language gives you full control over every aspect of your documents, no matter how complex they are. LaTeX's huge amount of customizable templates and supporting packages cover most aspects of writing with embedded typographic expertise. With this book you will learn to leverage the capabilities of the latest document classes and explore the functionalities of the newest packages. The book starts with examples of common document types. It provides you with samples for tuning text design, using fonts, embedding images, and creating legible tables. Common document parts such as the bibliography, glossary, and index are covered, with LaTeX's modern approach. You will learn how to create excellent graphics directly within LaTeX, including diagrams and plots quickly and easily. Finally, you will discover how to use the new engines XeTeX and LuaTeX for advanced programming and calculating with LaTeX. The example-driven approach of this book is sure to increase your productivity. Style and approach This book guides you through the world of LaTeX based on over a hundred hands-on examples. These are explained in detail and are designed to take minimal time and to be self-compliant.

Progress in Physics, Vol. 13, No. 4, 2017

Infinite Study Papers on Unmatter, Harmonic Quantum Oscillators, Vacuum Polarization, Scale-Invariant Models, Superluminal Reference, Heuristic Model and so on. "Angel particle" bearing properties of both particles and anti-particles, which was recently discovered by the Stanford team of experimental physicists, is usually associated with Majorana fermions (predicted in 1937 by Ettore Majorana). In this message we point out that particles bearing properties of both matter and anti-matter were as well predicted without any connexion with particle physics, but on the basis of pure mathematics, namely — neutrosophic logic which is a generalization of fuzzy and intuitionistic fuzzy logics in mathematics.

Handbook of Homotopy Theory

CRC Press The Handbook of Homotopy Theory provides a panoramic view of an active area in mathematics that is currently seeing dramatic solutions to long-standing open problems, and is proving itself of increasing importance across many other mathematical disciplines. The origins of the subject date back to work of Henri Poincaré and Heinz Hopf in the early 20th century, but it has seen enormous progress in the 21st century. A highlight of this volume is an introduction to and diverse applications of the newly established foundational theory of ¥ -categories. The coverage is vast, ranging from axiomatic to applied, from foundational to computational, and includes surveys of applications both geometric and algebraic. The contributors are among the most active and creative researchers in the field. The 22 chapters by 31 contributors are designed to address novices, as well as established mathematicians, interested in learning the state of the art in this field, whose methods are of increasing importance in many other areas.

PROGRESS IN PHYSICS, Vol. 15. The Journal on Advanced Studies in Theoretical and Experimental Physics, including Related Themes from Mathematics

Infinite Study Progress in Physics has been created for rapid publications on advanced studies in theoretical and experimental physics, including related themes from mathematics and astronomy.

Progress in Physics, vol. 1/2016

The Journal on Advanced Studies in Theoretical and Experimental Physics, including Related Themes from Mathematics

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Full Circle Magazine #96

THE INDEPENDENT MAGAZINE FOR THE UBUNTU LINUX COMMUNITY

Full Circle Magazine This month: * Command & Conquer * How-To : Program in Python, LibreOffice, Using LaTeX, and [NEW!] Programming JavaScript * Graphics : Inkscape. * [NEW!] Chrome Cult * Linux Labs: OwnCloud * [NEW!] Ubuntu Phones – Interview with Cristian Parrino * Review: Precision m3800 DE laptop * Ubuntu Games: Cities: Skylines plus: News, Arduino, Q&A, and soooo much more.

Numerical Python

A Practical Techniques Approach for Industry

Apress Numerical Python by Robert Johansson shows you how to leverage the numerical and mathematical modules in Python and its Standard Library as well as popular open source numerical Python packages like NumPy, FiPy, matplotlib and more to numerically compute solutions and mathematically model applications in a number of areas like big data, cloud computing, financial engineering, business management and more. After reading and using this book, you'll get some takeaway case study examples of applications that can be found in areas like business management, big data/cloud computing, financial engineering (i.e., options trading investment alternatives), and even games. Up until very recently, Python was mostly regarded as just a web scripting language. Well, computational scientists and engineers have recently discovered the flexibility and power of Python to do more. Big data analytics and cloud computing programmers are seeing Python's immense use. Financial engineers are also now employing Python in their work. Python seems to be evolving as a language that can even rival C++, Fortran, and Pascal/Delphi for numerical and mathematical computations.

Neurointensive Care Unit

Clinical Practice and Organization

Springer Nature This book offers valuable guidance to neurointensivists, other neurocritical care staff, and those desiring to develop a neurocritical care unit via a thorough discussion of neurological emergencies and neurocritical care unit organization. This comprehensive volume begins with a review of acute neurological emergencies as managed clinically in the neurocritical care unit. Topics include acute cerebrovascular, neurological, and neurosurgical disorders. The unique aspect of this book is its description of the organization of the neurocritical care unit. We focus on how other services in the hospital interact with and assist neurocritical care operations, telemedicine/telestroke, and neurocritical care personnel and their roles. A review of expected outcomes of neurocritical care conditions is also included. Neurointensivists, neurocritical care unit staff leadership, hospital administrators, and those interested in developing a neurocritical care unit will find Neurointensive Care Unit: Clinical Practice and Organization to be an

invaluable guide.

The LaTex Web Companion

Integrating TeX, HTML, and XML

Addison-Wesley Professional Índice abreviado: 1.The Web, its documents, and LaTeX 2. Portable document format 3. The LaTeX2HTML translator 4. Translating LaTeX to HTML using TEXT4ht 5. Direct display of LaTeX on the Web 6. HTML, SGML, and XML: three markup languages 7. CSS, DSSSL, and XSL: doing it with style 8. MathML, intelligent math markup A. Example files B. Technical appendixes C. Internalization issues.

Introducing Markdown and Pandoc

Using Markup Language and Document Converter

Apress Discover how to write manuscripts in Markdown and translate them with Pandoc into different output formats. You'll use Markdown to annotate text formatting information with a strong focus on semantic information: you can annotate your text with information about where chapters and sections start, but not how chapter and heading captions should be formatted. As a result, you'll decouple the structure of a text from how it is visualized and make it easier for you to produce different kinds of output. The same text can easily be formatted as HTML, PDF, or Word documents, with various visual styles, by tools that understand the markup annotations. Finally, you'll learn to use Pandoc, a tool for translating between different markup languages, such as LaTeX, HTML, and Markdown. This book will not describe all the functionality that Pandoc provides, but will teach you how to translate Markdown documents, how to customize your documents using templates, and how to extend Pandoc's functionality using filters. If that is something you are interested in, Introducing Markdown and Pandoc will get you started. With this set of skills you'll be able to write more efficiently without worrying about needless formatting and other distractions. What You Will LearnWhy and how to use Markdown and PandocWrite MarkdownUse extensions available in Pandoc and MarkdownWrite math and code blocksUse templates and produce documents Who This Book Is For Programmers and problem solvers looking for technical documentation solutions.

Leveraging Applications of Formal Methods, Verification, and Validation

6th International Symposium, ISoLA 2014, Corfu, Greece, October 8-11, 2014, and 5th International Symposium, ISoLA 2012, Heraklion, Crete, Greece, October 15-18, 2012, Revised Selected Papers

Springer This book constitutes the refereed proceedings of the 6th International Symposium on Leveraging Applications of Formal Methods, Verification, and Validation, ISoLA 2014, held in Corfu, Greece, in October 2014, and the 5th International Symposium, ISoLA 2012, held in Heraklion, Crete, Greece, in October 2012. The 9 revised full papers presented were carefully reviewed and selected from 22 submissions. This volume combines the post-conference proceedings of the 2014 Doctoral Symposium and the 2014 Tutorial "Automata Learning in Practice" with the post-conference publication of selected contributions from the Tracks "Process-Oriented Geoinformation Systems and Applications" and "Processes and Data Integration in the Networked Healthcare" of ISoLA 2012.

Templates in Chemistry III

Springer Volume 1 intends to shed light on a selection of aspects of "template chemistry" by combining chapters from areas as different as templated solid state synthesis, metal-mediated self assembly processes, organometallic synthesis, the formation of mechanically interlocked molecules, and, last but not least, the production of inorganic materials based on organic templates such as gels. Volume 2 provides an even broader overview of and deeper insight into the template topic adding new aspects and new views.

Linux Journal

New Trends in Educational Activity in the Field of Mechanism and Machine Theory

2014-2017

Springer This book contains the Proceedings of the Second International Symposium on the Education in Mechanism and Machine Science (ISEMMS 2017), which was held in Madrid, Spain. The Symposium has established a stable framework for exchanging experience among researchers regarding mechanism and machine science, with special emphasis on New Learning Technologies and globalization. The papers cover topics such as mechanism and machine science in mechanical engineering curricula; mechanism and machine science in engineering programs: methodology; mechanism and machine science in engineering programs: applications and research; and new trends in mechanical engineering education.

Ubuntu Unleashed 2015 Edition

Covering 14.10 and 15.04

Sams Publishing Ubuntu Unleashed 2015 Edition is filled with unique and advanced information for everyone who wants to make the most of the Linux-based Ubuntu operating system. This new edition has been thoroughly revised and updated by a long-time Ubuntu community leader to reflect the exciting new Ubuntu 14.10 while including tons of information that will continue to apply to future editions. Former Ubuntu Forum administrator Matthew Helmke covers all you need to know about Ubuntu 14.10 installation, configuration, productivity, multimedia, development, system administration, server operations, networking, virtualization, security, DevOps, and more–including intermediate-to-advanced techniques you won't find in any other book. Helmke presents up-to-the-minute introductions to Ubuntu's key productivity and Web development tools, programming languages, hardware support, and more. You'll find new or improved coverage of Ubuntu's Unity interface, various types of servers, software repositories, database options, virtualization and cloud services, development tools, monitoring, troubleshooting, Ubuntu's push into mobile and other touch screen devices, and much more. Detailed information on how to... Configure and customize the Unity desktop Get started with multimedia and productivity applications, including LibreOffice Manage Linux services, users, and software packages Administer and run Ubuntu from the command line Automate tasks and use shell scripting Provide secure remote access and configure a secure VPN Manage kernels and modules Administer file, print, email, proxy, LDAP, DNS, and HTTP servers (Apache, Nginx, or alternatives) Learn about new options for managing large numbers of servers Work with databases (both SQL and the newest NoSQL alternatives) Get started with virtualization Build a private cloud with Juju and Charms Learn the basics about popular programming languages including Python, PHP, Perl, and new alternatives such as Go and Rust Learn about Ubuntu's work toward usability on touch-screen and phone devices Ubuntu 14.10 on DVD DVD includes the full Ubuntu 14.10 distribution for 64 bit computers (most desktop and notebooks systems today) as well as the complete LibreOffice office suite and hundreds of additional programs and utilities. Free Kick Start Chapter! Purchase this book and receive a free Ubuntu 15.04 Kick Start chapter after Ubuntu 15.04 is released. See inside back cover for details

Ubuntu Unleashed

Sams Publishing A guide to the Ubuntu operating system covers such topics as installation and configuration, productivity applications, the command line, managing users, networking, remote access, security, kernal and module management, FTP, proxying, and Python.

Ubuntu Unleashed 2012 Edition

Covering 11.10 and 12.04 (7th Edition)

Sams Publishing Ubuntu Unleashed is filled with unique and advanced information for everyone who wants to make the most of the Ubuntu Linux operating system. This new edition has been thoroughly revised and updated by a long-time Ubuntu community leader to reflect the exciting new Ubuntu 11.10 ("Oneiric Ocelot") and the forthcoming Ubuntu 12.04. Former Ubuntu Forum administrator Matthew Helmke covers all you need to know about Ubuntu 11.10/12.04 installation, configuration, productivity, multimedia, development, system administration, server operations, networking, virtualization, security, DevOps, and more—including intermediate-to-advanced techniques you won't find in any other book. Helmke presents up-to-the-minute introductions to Ubuntu's key productivity and Web development tools, programming languages, hardware support, and more. You'll find brand-new coverage of the new Unity desktop, new NoSQL database support and Android mobile development tools, and many other Ubuntu 11.10/12.04 innovations. Whether you're new to Ubuntu or already a power user, you'll turn to this book constantly: for new techniques, new solutions, and new ways to do even more with Ubuntu! Matthew Helmke served from 2006 to 2011 on the Ubuntu

Forum Council, providing leadership and oversight of the Ubuntu Forums, and spent two years on the Ubuntu regional membership approval board for Europe, the Middle East, and Africa. He has written about Ubuntu for several magazines and websites, is a lead author of The Official Ubuntu Book. He works for The iPlant Collaborative, which is funded by the National Science Foundation and is building cyberinfrastructure for the biological sciences to support the growing use of massive amounts of data and computationally intensive forms of research. Quickly install Ubuntu, configure it, and get your hardware running right Configure and customize the new Unity desktop (or alternatives such as GNOME) Get started with multimedia and productivity applications, including LibreOffice Manage Linux services, users, and software packages Administer and use Ubuntu from the command line Automate tasks and use shell scripting Provide secure remote access Manage kernels and modules Administer file, print, email, proxy, LDAP, and database services (both SQL and NoSQL) Use both Apache and alternative HTTP servers Support and use virtualization Use Ubuntu in cloud environments Learn the basics about popular programming languages including Python, PHP, and Perl, and how to use Ubuntu to develop in them Learn how to get started developing Android mobile devices Ubuntu 11.10 on DVD DVD includes the full Ubuntu 11.10 distribution for Intel x86 computers as well as the complete LibreOffice office suite and hundreds of additional programs and utilities. Free Upgrade! Purchase this book anytime in 2012 and receive a free Ubuntu 12.04 Upgrade Kit by mail (U.S. or Canada only) after Ubuntu 12.04 is released. See inside back cover for details.

The Book of Inkscape, 2nd Edition

The Definitive Guide to the Graphics Editor

No Starch Press A comprehensive user's guide to Inkscape, a vector illustration application. Dmitry Kirsanov, a former core Inkscape developer, shares his knowledge of Inkscape's inner workings as he shows how to use Inkscape to draw with various tools, work with objects, apply realistic and artistic effects, and more. Step-by-step task-based tutorials show you how to create business cards, animations, technical and artistic drawings, and graphic assets for games. This second edition covers the new tools, improved text features, advanced new path effects and filters, as well as many new UI conveniences in Inkscape 1.0. A new chapter describes Inkscape's extensions for both users and developers. Learn how to: Navigate the canvas and customize your workspace and views Create new objects and transform, style, clone, and combine them Use gradients, patterns, filters, and path effects to liven up your work Work with layers, groups, object order, and locks to control your artwork View and manipulate your document's structure with the XML Editor and the new Objects dialog Export your work to various formats

ZB 2005: Formal Specification and Development in Z and B

4th International Conference of B and Z Users, Guildford, UK, April 13-15, 2005, Proceedings

Springer Science & Business Media This book constitutes the refereed proceedings of the 4th International Conference of Z and B users, ZB 2005, held in Guildford, UK in April 2005. The 25 revised full papers presented together with extended abstracts of 2 invited papers were carefully reviewed and selected for inclusion in the book. The papers document the recent advances for the Z formal specification notation and for the B method, ranging from foundational, theoretical, and methodological issues to advanced applications, tools, and case studies.

Full Circle Magazine #97

THE INDEPENDENT MAGAZINE FOR THE UBUNTU LINUX COMMUNITY

Full Circle Magazine This month: * Command & Conquer * How-To : Run Android Apps in Ubuntu, LibreOffice, Using LaTeX, and Programming JavaScript * Graphics : Inkscape.* Chrome Cult * Linux Labs: IP Camera with Powerline Adapter* Ubuntu Phones * Review: KDE Plasma 5* Ubuntu Games: This War of Mineplus: News, Arduino, Q&A, and soooo much more.

Nanocomposite Science and Technology

John Wiley & Sons In recent years, nanocomposites have captured and held the attention and imagination of scientists and engineers alike. Based on the simple premise that by using a wide range of building blocks with dimensions in the nanosize region, it is possible to design and create new materials with unprecedented flexibility and improvements in

their physical properties. This book contains the essence of this emerging technology, the underlying science and motivation behind the design of these structures and the future, particularly from the perspective of applications. It is intended to be a reference handbook for future scientists and hence carries the basic science and the fundamental engineering principles that lead to the fabrication and property evaluation of nanocomposite materials in different areas of materials science and technology.

Handbook of Solid State Chemistry, 6 Volume Set

John Wiley & Sons This most comprehensive and unrivaled compendium in the field provides an up-to-date account of the chemistry of solids, nanoparticles and hybrid materials. Following a valuable introductory chapter reviewing important synthesis techniques, the handbook presents a series of contributions by about 150 international leading experts -- the "Who's Who" of solid state science. Clearly structured, in six volumes it collates the knowledge available on solid state chemistry, starting from the synthesis, and modern methods of structure determination. Understanding and measuring the physical properties of bulk solids and the theoretical basis of modern computational treatments of solids are given ample space, as are such modern trends as nanoparticles, surface properties and heterogeneous catalysis. Emphasis is placed throughout not only on the design and structure of solids but also on practical applications of these novel materials in real chemical situations.

Ubuntu Unleashed 2013 Edition

Covering 12.10 and 13.04

Sams Publishing This eBook edition does not provide a DVD of Ubuntu or the upgrade kit. You can download the most current release of Ubuntu from www.ubuntu.com/download. Ubuntu Unleashed 2013 Edition is filled with unique and advanced information for everyone who wants to make the most of the Ubuntu Linux operating system. This new edition has been thoroughly revised and updated by a long-time Ubuntu community leader to reflect the exciting new Ubuntu 12.10 ("Quantal Quetzal") and the forthcoming Ubuntu 13.04. Former Ubuntu Forum administrator Matthew Helmke covers all you need to know about Ubuntu 12.10/13.04 installation, configuration, productivity, multimedia, development, system administration, server operations, networking, virtualization, security, DevOps, and more—including intermediate-to-advanced techniques you won't find in any other book. Helmke presents up-to-the-minute introductions to Ubuntu's key productivity and Web development tools, programming languages, hardware support, and more. You'll find new or improved coverage of navigation via Unity Dash, wireless networking, VPNs, software repositories, new NoSQL database options, virtualization and cloud services, new programming languages and development tools, monitoring, troubleshooting, and more. Configure and customize the Unity desktop and make the most of the Dash Get started with multimedia and productivity applications, including LibreOffice Manage Linux services, users, and software packages Administer and run Ubuntu from the command line (with added coverage of stdin, stdout, sdterr, redirection, and file comparison) Automate tasks and use shell scripting Provide secure remote access and configure a secure VPN Manage kernels and modules Administer file, print, email, proxy, LDAP, and HTTP servers (Apache or alternatives) Learn about new options for managing large numbers of servers Work with databases (both SQL and the newest NoSQL alternatives) Get started with virtualization Build a private cloud with Juju and Charms Learn the basics about popular programming languages including Python, PHP, Perl, and new alternatives such as Go and Rust

Electrocatalysis

Proceedings of the International Symposium

The Electrochemical Society

LaTeX and Friends

Springer Science & Business Media LaTeX is a free, automated state-of-the-art typesetting system. This book teaches all the ins and outs of LaTeX which are needed to write an article, report, thesis, or book. The book teaches by example, giving many worked out examples showing input and output side by side. The book presents the most recent techniques for presenting data plots, complex graphics, and computer presentations, but does not require previous knowledge. However, it is also a reference for the more seasoned user, with pointers to modern techniques and packages. Recurring themes in the book are consistent and effective presentation, planning and development, controlling style and content, and maintenance.

R Markdown

The Definitive Guide

CRC Press R Markdown: The Definitive Guide is the first official book authored by the core R Markdown developers that provides a comprehensive and accurate reference to the R Markdown ecosystem. With R Markdown, you can easily create reproducible data analysis reports, presentations, dashboards, interactive applications, books, dissertations, websites, and journal articles, while enjoying the simplicity of Markdown and the great power of R and other languages. In this book, you will learn Basics: Syntax of Markdown and R code chunks, how to generate figures and tables, and how to use other computing languages Built-in output formats of R Markdown: PDF/HTML/Word/RTF/Markdown documents and ioslides/Slidy/Beamer/PowerPoint presentations Extensions and applications: Dashboards, Tufte handouts, xaringan/reveal.js presentations, websites, books, journal articles, and interactive tutorials Advanced topics: Parameterized reports, HTML widgets, document templates, custom output formats, and Shiny documents. Yihui Xie is a software engineer at RStudio. He has authored and co-authored several R packages, including knitr, rmarkdown, bookdown, blogdown, shiny, xaringan, and animation. He has published three other books, Dynamic Documents with R and knitr, bookdown: Authoring Books and Technical Documents with R Markdown, and blogdown: Creating Websites with R Markdown. J.J. Allaire is the founder of RStudio and the creator of the RStudio IDE. He is an author of several packages in the R Markdown ecosystem including rmarkdown, flexdashboard, learnr, and radix. Garrett Grolemund is the co-author of R for Data Science and author of Hands-On Programming with R. He wrote the lubridate R package and works for RStudio as an advocate who trains engineers to do data science with R and the Tidyverse.

Principles of Document Processing

Third International Workshop, PODP '96, Palo Alto, California, USA, September 23, 1996. Proceedings

Springer Science & Business Media This book constitutes the thoroughly refereed post-workshop proceedings of the Third International Workshop on Principles of Document Processing, PODP'96, held in Palo Alto, California, USA, in September 1996. The book contains 13 revised full papers presented as chapters of a coherent, monograph-like book. The papers focus equally on the theory and the practice of document processing. Among the topics covered are theory of media, cross media publishing and multi-modal documents, SGML content models, grammar-compatible stylesheets, multimedia documents, temporal constraints in multimedia, hypertext representation, contextual knowledge, structured documents for IR, Web-publishing, virtual documents, etc.

A Mathematician's Practical Guide to Mentoring Undergraduate Research

American Mathematical Soc. A Mathematician's Practical Guide to Mentoring Undergraduate Research is a complete how-to manual on starting an undergraduate research program. Readers will find advice on setting appropriate problems, directing student progress, managing group dynamics, obtaining external funding, publishing student results, and a myriad of other relevant issues. The authors have decades of experience and have accumulated knowledge that other mathematicians will find extremely useful.

Monolithic Materials

Preparation, Properties and Applications

Elsevier During the past decade, monolithic materials in the shape of discs, stacked layers, rolled sheets, sponges, irregular chunks, tubes, and cylinders have all been successfully demonstrated. These formats were prepared from a wide variety of materials including natural polymers such as cellulose, synthetic polymers that involved porous styrene-, methacrylate-, and acrylamide-based polymers, and inorganic materials, mainly silica. Each approach is interesting from the point of view of both preparation and application. Although the current papers and patents concerned with monolithic separation media are quite numerous, the information is scattered throughout a vast number of journals. This book therefore fills the gap in the market for a comprehensive reference book on this subject. Monolithic materials concerns all of the current formats of monolithic materials and provides an integrated view of this novel format of separation media. Since the flow pattern in monolithic devices is different from that in packed beds, the hydrodynamics of the system and mass transport differ considerably from those derived for packed columns. Therefore, this book presents contributions concerned with both flow and mass transfer in the monolithic materials. A significant proportion of the book is devoted to the applications of monolithic materials. It also provides the reader with valuable information about the sources of the specific materials, their properties, and potential applications. · Monolithic materials are currently very popular within several scientific areas such as chromatography, optics,

catalysis, diagnostics, genomics, proteomics, and microfluidics. · Provides valuable information about the sources of the specific materials, their properties, and potential applications. · Chapters written by leading experts in the area.

Digital Curation: Breakthroughs in Research and Practice

Breakthroughs in Research and Practice

IGI Global The effective use of technology offers numerous benefits in protecting cultural heritage. With the proper implementation of these tools, the management and conservation of artifacts and knowledge are better attained. Digital Curation: Breakthroughs in Research and Practice is a critical source of academic knowledge on the preservation, selection, collection, maintenance, and archiving of digital materials. Highlighting a range of pertinent topics such as electronic resource management, digital preservation, and virtual restoration, this publication is an ideal reference source for digital curators, technology developers, IT professionals, academicians, researchers, and graduate-level students interested in the curation and preservation of digital resources.

Hubble Space Telescope

Cycle 8, Call for Proposals and Phase I Proposal Instructions