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Data Analytics and Applications of the Wearable Sensors in Healthcare Developing Effective Educational Experiences through Learning Analytics A Vacuum Fusion Analysis for Gases in Titanium Interactive Visual Data Analysis Sentiment Analysis in Social Networks Spatiotemporal Analytics Predictive Analytics Creating Values with Operations and Analytics Methodological and Analytic Frontiers in Lexical Research *Analytic Number Theory, Modular Forms and q-Hypergeometric Series* Graph Drawing and Network Visualization An Analytic Dictionary of the English Etymology *Analytic Number Theory* Software Engineering Approximation Theory and Analytic Inequalities Functional Analytic Methods In Complex Analysis And Applications To Partial Differential Equations The Semantic Web - ISWC 2018 *The Palgrave Handbook of Methods for Media Policy Research* Screen-based Art The Transdisciplinary Reach of Design Science Research *Social Computing and Social Media. Design, Ethics, User Behavior, and Social Network Analysis* Information Final Basel III Modelling *The Legal Limits of Direct Democracy* Invariant Subspaces of Matrices with Applications Manual of Digital Earth *Advances in Databases and Information Systems* Methodennavigator für Business-Analytics produzierender Unternehmen Immobilienwirtschaft aktuell 2020 Learning Analytics: Implications for Higher Education Does Sentiment Harm Market Efficiency? New Developments in Competition Law and

Economics Mathematical Principles for Scientific Computing and Visualization Fuzzy Methods for Customer Relationship Management and Marketing: Applications and Classifications Selected of Norman Levinson Conversation in World Englishes Groundwater Hydraulics Analysis of a Terror Network from a System Dynamics Perspective Numerical Methods in Economics *Trends in Telecommunication Reform 2015*

Manual of Digital Earth Jan 04 2021 This open access book offers a summary of the development of Digital Earth over the past twenty years. By reviewing the initial vision of Digital Earth, the evolution of that vision, the relevant key technologies, and the role of Digital Earth in helping people respond to global challenges, this publication reveals how and why Digital Earth is becoming vital for acquiring, processing, analysing and mining the rapidly growing volume of global data sets about the Earth. The main aspects of Digital Earth covered here include: Digital Earth platforms, remote sensing and navigation satellites, processing and visualizing geospatial information, geospatial information infrastructures, big data and cloud computing, transformation and zooming, artificial intelligence, Internet of Things, and social media. Moreover, the book covers in detail the multi-layered/multi-faceted roles of Digital Earth in response to sustainable development goals, climate changes, and mitigating disasters, the applications of Digital Earth (such as digital city and digital heritage), the citizen science in support of Digital Earth, the economic value of Digital Earth, and so on. This book also reviews the regional and national

development of Digital Earth around the world, and discusses the role and effect of education and ethics. Lastly, it concludes with a summary of the challenges and forecasts the future trends of Digital Earth. By sharing case studies and a broad range of general and scientific insights into the science and technology of Digital Earth, this book offers an essential introduction for an ever-growing international audience.

Approximation Theory and Analytic Inequalities Dec 15 2021 This contributed volume focuses on various important areas of mathematics in which approximation methods play an essential role. It features cutting-edge research on a wide spectrum of analytic inequalities with emphasis on differential and integral inequalities in the spirit of functional analysis, operator theory, nonlinear analysis, variational calculus, featuring a plethora of applications, making this work a valuable resource. The reader will be exposed to convexity theory, polynomial inequalities, extremal problems, prediction theory, fixed point theory for operators, PDEs, fractional integral inequalities, multidimensional numerical integration, Gauss-Jacobi and Hermite-Hadamard type inequalities, Hilbert-type inequalities, and Ulam's stability of functional equations. Contributions have been written by eminent researchers, providing up-to-date information and several results which may be useful to a wide readership including graduate students and researchers working in mathematics, physics, economics, operational research, and their interconnections.

A Vacuum Fusion Analysis for Gases in Titanium Dec

27 2022

Methodological and Analytic Frontiers in Lexical Research Jun 21 2022 The study of how words are represented and processed in the mind has served as a meeting ground for research in psychology, linguistics, and neuroscience. Right now, this domain of study is in the midst of astonishing developments. At the core of these developments are the methodological and analytic advancements that have enabled researchers to address new phenomena and to ask new questions. These new methodologies have also raised fundamental questions concerning the nature of words in the mind, the nature of language processing, and the ways in which data can be understood. This book provides a timely resource written by international leaders in methodological innovation. It offers fundamental insights into how innovative methodological approaches advance lexical research. It also offers the technical knowledge that is essential to that advancement, but which is rarely found in journal reports. This is a methodologically oriented volume designed to be informative, thought provoking, innovative, and perhaps also revolutionary. The contributions in this volume that originally appeared in *The Mental Lexicon* 5:3 (2010) and 6:1 (2011) are supplemented with several new chapters, as well as with a new and timely introductory chapter titled "Embracing Complexity".

The Transdisciplinary Reach of Design Science Research Jul 10 2021 This book constitutes the thoroughly refereed proceedings of the 17th International Conference on Design Science Research in Information Systems and Technology, DESRIST 2022,

held in Tampa, FL, USA, in June 2022. The 37 revised full research papers, included in the volume were carefully reviewed and selected from 103 submissions. They are organized in the following topical sections: Transdisciplinary Research & DSR (theme Track); Blockchain Information Systems; Intelligent Systems and Human Interaction; Healthcare Systems and Quality of Life; Innovation and Entrepreneurship; Sustainability and Responsible Design (Environmental Issues, Human Values and ethical Design); Human Safety and Cybersecurity; Emerging DSR Methods and Processes; Designers and Collaborative DSR; and Education and DSR.

New Developments in Competition Law and Economics
Jun 28 2020 This book further develops both the traditional and the behavioural approach to competition law, and applies these approaches to a variety of timely issues. It discusses several fundamental questions regarding competition law and economics, and explores the applications of competition law and economics. In turn, the book analyses the interplay of intellectual property rights and patents in various aspects of competition law, and investigates the impacts that developments in information technology, such as big data analytics, have on competition law. The book also discusses the impact of energy law reforms on energy markets from a competition law perspective. Competition law is a classic field of economic analysis. This is largely due to the fact that competition law uses terms such as market, price, and competition and must therefore rely on economic know-how and analyses. In the United States, economic analysis has greatly influenced not just

the scholarship on antitrust law, but also judicial decisions and agency enforcement. Antitrust law and economics are based on the traditional paradigm of neoclassical economics, which relies on the assumption that the market players, i.e. consumers and producers, are rational. This approach to competition law was later received in Europe under the banner of a "more economic approach". For the past two decades, behavioural law and economics, which seeks to generate better insights into legal phenomena by providing more realistic psychological foundations for economic models, and to offer a multitude of applications in legislation and legal adjudication, has challenged the traditional economic approach to law in general and, more recently, to competition law specifically.

Analytic Number Theory, Modular Forms and q-Hypergeometric Series May 20 2022 Gathered from the 2016 Gainesville Number Theory Conference honoring Krishna Alladi on his 60th birthday, these proceedings present recent research in number theory. Extensive and detailed, this volume features 40 articles by leading researchers on topics in analytic number theory, probabilistic number theory, irrationality and transcendence, Diophantine analysis, partitions, basic hypergeometric series, and modular forms. Readers will also find detailed discussions of several aspects of the path-breaking work of Srinivasa Ramanujan and its influence on current research. Many of the papers were motivated by Alladi's own research on partitions and q-series as well as his earlier work in number theory. Alladi is well known for his contributions in number theory and mathematics. His research interests include

combinatorics, discrete mathematics, sieve methods, probabilistic and analytic number theory, Diophantine approximations, partitions and q-series identities. Graduate students and researchers will find this volume a valuable resource on new developments in various aspects of number theory.

Social Computing and Social Media. Design, Ethics, User Behavior, and Social Network Analysis Jun 09 2021 This two-volume set LNCS 12194 and 12195 constitutes the refereed proceedings of the 12th International Conference on Social Computing and Social Media, SCSM 2020, held as part of the 22nd International Conference, HCI International 2020, which was planned to be held in Copenhagen, Denmark, in July 2020. The conference was held virtually due to the COVID-19 pandemic. The total of 1439 papers and 238 posters have been accepted for publication in the HCII 2020 proceedings from a total of 6326 submissions. SCSM 2020 includes a total of 93 papers which are organized in topical sections named: Design Issues in Social Computing, Ethics and Misinformation in Social Media, User Behavior and Social Network Analysis, Participation and Collaboration in Online Communities, Social Computing and User Experience, Social Media Marketing and Consumer Experience, Social Computing for Well-Being, Learning, and Entertainment.

Interactive Visual Data Analysis Nov 26 2022 In the age of big data, being able to make sense of data is an important key to success. Interactive Visual Data Analysis advocates the synthesis of visualization, interaction, and automatic computation to facilitate insight generation and knowledge crystallization from large and complex data. The book provides a

systematic and comprehensive overview of visual, interactive, and analytical methods. It introduces criteria for designing interactive visual data analysis solutions, discusses factors influencing the design, and examines the involved processes. The reader is made familiar with the basics of visual encoding and gets to know numerous visualization techniques for multivariate data, temporal data, geo-spatial data, and graph data. A dedicated chapter introduces general concepts for interacting with visualizations and illustrates how modern interaction technology can facilitate the visual data analysis in many ways. Addressing today's large and complex data, the book covers relevant automatic analytical computations to support the visual data analysis. The book also sheds light on advanced concepts for visualization in multi-display environments, user guidance during the data analysis, and progressive visual data analysis. The authors present a top-down perspective on interactive visual data analysis with a focus on concise and clean terminology. Many real-world examples and rich illustrations make the book accessible to a broad interdisciplinary audience from students, to experts in the field, to practitioners in data-intensive application domains.

Features: Dedicated to the synthesis of visual, interactive, and analysis methods Systematic top-down view on visualization, interaction, and automatic analysis Broad coverage of fundamental and advanced visualization techniques Comprehensive chapter on interacting with visual representations Extensive integration of automatic computational methods Accessible portrayal of cutting-edge visual

analytics technology Foreword by Jack van Wijk For more information, you can also visit the author website, where the book's figures are made available under the CC BY Open Access license.

Final Basel III Modelling Apr 07 2021 This book provides a concise and practical guidance on the implementation analysis of the new revised standards of the Basel Committee on Banking Supervision (BCBS) on the supervision of the international banking system. Based on publicly available data on default rates and realised loss-given-default rates, it provides an analysis of credit and market risk, assessing the extent to which the new framework on risk-based and leverage ratio requirements affects the modelling of banking risks. Moreover, it provides a detailed analysis of the Fundamental Review of the Trading Book (FRTB), which changes the philosophy for the risk valuation and capital requirements of the market risk, and of the latest developments on the credit valuation adjustments (CVA) framework. It also examines the impact of the final calibration of operational risk parameters on the level of capital requirements. It provides an overview of the modelling properties that govern the application of the internal models for credit and market risk, and provides evidence on the overall impact on banks' cost of funding due to the implementation of Basel reforms as shaped in December 2017. Finally, the book provides practical examples and hands-on applications for assessing the new BCBS framework.

Information May 08 2021 "Information technology shapes nearly every part of modern life, and debates about information--its meaning, effects, and

applications--are central to a range of fields, from economics, technology, and politics to library science, media studies, and cultural studies. This rich, unique resource traces the history of information with an approach designed to draw connections across fields and perspectives, and provide essential context for our current age of information. Clear, accessible, and authoritative, the book opens with a series of articles that provide a narrative history of information from premodern practices to twenty-first-century information culture. This section focuses on major developments in the creation, storage, search, exchange, management, and manipulation of information, as well as the many meanings and uses of information over time. Coverage spans Europe, North America, and many other places and periods, including the medieval Islamic world and early modern East Asia, as well as the emergence of global networks. A second, alphabetical section includes more than 100 concise articles that cover specific concepts (e.g., data, intellectual property, privacy); formats and genres (books, databases, maps, newspapers, scrolls, social media); people (archivists, diplomats and spies, readers, secretaries, teachers); practices (censorship, forecasting, learning, surveilling, translating); processes (digitization, quantification, storage and search); systems (bureaucracy, platforms, telecommunications); technologies (algorithms, cameras, computers), and much more. The book concludes with an informative glossary, defining terms from "analog/digital" to "World Wide Web."--

Developing Effective Educational Experiences

through Learning Analytics Jan 28 2023 The quality of students' learning experiences is a critical concern for all higher education institutions. With the assistance of modern technological advances, educational establishments have the capability to better understand the strengths and weaknesses of their learning programs. Developing Effective Educational Experiences through Learning Analytics is a pivotal reference source that focuses on the adoption of data mining and analysis techniques in academic institutions, examining how this collected information is utilized to improve the outcome of student learning. Highlighting the relevance of data analytics to current educational practices, this book is ideally designed for researchers, practitioners, and professionals actively involved in higher education settings.

An Analytic Dictionary of the English Etymology Mar 18 2022 This work introduces renowned linguistics scholar Anatoly Liberman's comprehensive dictionary and bibliography of the etymology of English words. The English etymological dictionaries published in the past claim to have solved the mysteries of word origins even when those origins have been widely disputed. An Analytic Dictionary of English Etymology "by contrast, discusses all of the existing derivations of English words and proposes the best one. In the inaugural volume, Liberman addresses fifty-five words traditionally dismissed as being of unknown etymology. Some of the entries are among the most commonly used words in English, including man, boy, girl, bird, brain, understand, key, ever, " and yet." Others are slang: mooch, nudge, pimp, filch, gawk, " and skedaddle." Many,

such as beacon, oat, hemlock, ivy," and toad," have existed for centuries, whereas some have appeared more recently, for example, slang, kitty-corner, " and Jeep." They are all united by their etymological obscurity. This unique resource book discusses the main problems in the methodology of etymological research and contains indexes of subjects, names, and all of the root words. Each entry is a full-fledged article, shedding light for the first time on the source of some of the most widely disputed word origins in the English language. "Anatoly Liberman is one of the leading scholars in the field of English etymology. Undoubtedly his work will be an indispensable tool for the ongoing revision of the etymological component of the entries in the Oxford English Dictionary." --Bernhard Diensberg, OED" consultant, French etymologies Anatoly Liberman is professor of Germanic philology at the University of Minnesota. He has published many works, including 16 books, most recently Word Origins . . . and How We Know Them: Etymology for Everyone."

Sentiment Analysis in Social Networks Oct 25 2022
The aim of Sentiment Analysis is to define automatic tools able to extract subjective information from texts in natural language, such as opinions and sentiments, in order to create structured and actionable knowledge to be used by either a decision support system or a decision maker. Sentiment analysis has gained even more value with the advent and growth of social networking. Sentiment Analysis in Social Networks begins with an overview of the latest research trends in the field. It then discusses the sociological and psychological processes underling social network interactions. The

book explores both semantic and machine learning models and methods that address context-dependent and dynamic text in online social networks, showing how social network streams pose numerous challenges due to their large-scale, short, noisy, context-dependent and dynamic nature. Further, this volume: Takes an interdisciplinary approach from a number of computing domains, including natural language processing, machine learning, big data, and statistical methodologies Provides insights into opinion spamming, reasoning, and social network analysis Shows how to apply sentiment analysis tools for a particular application and domain, and how to get the best results for understanding the consequences Serves as a one-stop reference for the state-of-the-art in social media analytics Takes an interdisciplinary approach from a number of computing domains, including natural language processing, big data, and statistical methodologies Provides insights into opinion spamming, reasoning, and social network mining Shows how to apply opinion mining tools for a particular application and domain, and how to get the best results for understanding the consequences Serves as a one-stop reference for the state-of-the-art in social media analytics

Methodennavigator für Business-Analytics produzierender Unternehmen Nov 02 2020 Der Einsatz von Business-Analytics wird für produzierende Unternehmen zunehmend zum strategischen Erfolgsfaktor. Dabei stellt vor allem die Vielzahl der zur Verfügung stehenden Business-Analytics-Methoden und deren Einsatzmöglichkeiten viele Praktiker vor Herausforderungen. Diese Arbeit setzt

an diesen Barrieren an und gibt Praktikern ein Methodenset an die Hand, mit dessen Hilfe es möglich ist zu bewerten welche Methoden für welche Problemstellung und welche Datengrundlage geeignet sind.

Software Engineering Jan 16 2022 The LASER Summer School is intended for professionals from industry (engineers and managers) as well as university researchers, including PhD students. Participants learn about the most important software technology advances from pioneers in the field. Since its inception in 2004, the LASER Summer School has focused on an important software engineering topic each year. This volume contains selected lecture notes from the 10th LASER Summer School on Software Engineering: Leading-Edge Software Engineering.

Fuzzy Methods for Customer Relationship Management and Marketing: Applications and Classifications Apr 26 2020 "This book explores the possibilities and advantages created by fuzzy methods through the presentation of thorough research and case studies"--Provided by publisher.

Conversation in World Englishes Feb 23 2020 Turn-taking is a fascinating feature of conversational interaction, due to its systematic and ordered nature. However, research has so far focused mainly on American and British conversations, with other varieties of English receiving much less attention. This pioneering book addresses this gap by exploring turn-taking patterns and cultural variation in Southeast Asian and Caribbean English. Bringing together research from the fields of Conversation Analysis and World Englishes for the first time, Neumaier conducts an empirical study based on

authentic audio data of interactions in these global varieties of English, and demonstrates that conversational strategies differ between speaker groups with different cultural backgrounds. Shedding new light on the impact of cultural and sociolinguistic factors on conversational patterns, it is essential reading for advanced students and scholars interested in language, variation, and social interaction, as well as those working in the fields of Conversation Analysis, Interactional Linguistics, and World Englishes.

The Semantic Web - ISWC 2018 Oct 13 2021 The two-volume set LNCS 11136 and 11137 constitutes the refereed proceedings of the 17th International Semantic Web Conference, ISWC 2018, held in Monterey, USA, in October 2018. The ISWC conference is the premier international forum for the Semantic Web / Linked Data Community. The total of 62 full papers included in this volume was selected from 250 submissions. The conference is organized in three tracks: for the Research Track 39 full papers were selected from 164 submissions. The Resource Track contains 17 full papers, selected from 55 submissions; and the In-Use track features 6 full papers which were selected from 31 submissions to this track. Paper 'The SPAR Ontologies' is available open access under a Creative Commons Attribution 4.0 International License via link.springer.com.

The Legal Limits of Direct Democracy Mar 06 2021 With the rise of direct-democratic instruments, the relationship between popular sovereignty and the rule of law is set to become one of the defining political issues of our time. This important and timely book provides an in-depth analysis of the

limits imposed on referendums and citizens' initiatives, as well as of systems of reviewing compliance with these limits, in 11 European states.

Functional Analytic Methods In Complex Analysis And Applications To Partial Differential Equations Nov 14 2021

Predictive Analytics Aug 23 2022 You have been predicted—by companies, governments, law enforcement, hospitals, and universities. Their computers say, "I knew you were going to do that!" These institutions are seizing upon the power to predict whether you're going to click, buy, lie, or die. Why? For good reason: predicting human behavior combats financial risk, fortifies healthcare, conquers spam, toughens crime fighting, and boosts sales. How? Prediction is powered by the world's most potent, booming unnatural resource: data. Accumulated in large part as the by-product of routine tasks, data is the unsalted, flavorless residue deposited en masse as organizations churn away. Surprise! This heap of refuse is a gold mine. Big data embodies an extraordinary wealth of experience from which to learn. Predictive analytics unleashes the power of data. With this technology, the computer literally learns from data how to predict the future behavior of individuals. Perfect prediction is not possible, but putting odds on the future—lifting a bit of the fog off our hazy view of tomorrow—means pay dirt. In this rich, entertaining primer, former Columbia University professor and Predictive Analytics World founder Eric Siegel reveals the power and perils of prediction: What type of mortgage behavior Chase Bank predicted Predicting which people will drop out of school,

cancel a subscription, or get divorced before they are even aware of it themselves Why early retirement decreases life expectancy and vegetarians miss fewer flights Five reasons why organizations predict death How U.S. Bank and Obama's 2012 campaign calculated the way to most strongly influence each individual How IBM's Watson computer beat the human champs on TV's Jeopardy! How Target figures out you're pregnant and Hewlett-Packard deduces you're about to quit your job How judges and parole boards rely on crime-predicting computers to decide who stays in prison and who goes free What's predicted by Citibank, Facebook, Ford, Google, IBM, the IRS, Match.com, Pfizer, and Wikipedia A truly omnipresent science, predictive analytics affects everyone, every day. Although largely unseen, it drives millions of decisions, determining whom to call, mail, investigate, incarcerate, set up on a date, or medicate. Whether you are a consumer of it—or consumed by it—get a handle on the power of Predictive Analytics.

Learning Analytics: Implications for Higher Education Aug 31 2020 This Special Issue gathers recent experiences and research examples concerning the use of Learning Analytics in higher education contexts of online and blended learning. All featured articles span across technically enabled data collection and processing/analysis, on the one hand, and, pedagogically motivated decision making by learners, teachers and other stakeholders on the other.

The Palgrave Handbook of Methods for Media Policy Research Sep 12 2021 The Palgrave Handbook of Methods for Media Policy Research covers the craft

that is and the methods used in media and communication policy research. It discusses the steps involved in conducting research, from deciding on a topic, to writing a report and everything in between and, furthermore, deals with a wide variety of qualitative and quantitative methods of data collection and analysis. The handbook invites researchers to rediscover trusted methods such as document analysis, elite interviews and comparisons, as well as to familiarize themselves with newer methods like experiments, big data and network analysis. For each method, the handbook provides a practical step-by-step guide and case studies that help readers in using that method in their own research. The methods discussed are useful for all areas of media and communication policy research, for research concerning the governance of both mass media and online platforms, and for policy issues around the globe. As such, the handbook is an invaluable guide to every researcher in this field.

Trends in Telecommunication Reform 2015 Oct 21 2019
Under the overarching theme "Getting ready for the digital economy", the 15th edition of Trends in Telecommunication Reform discusses changing ICT consumer behaviour, consumer empowerment and protection in the digital age. It further explores the opportunities and challenges of big data and what it means from a regulatory perspective; why competition matters. It also attempts to answer whether it is time to rethink spectrum licensing, how to monitor the implementation of broadband plans and what are the new business models driven by digital communications and services. As in previous editions, the publication will feature an in-depth

analysis of current market and regulatory trends based on ITU data from one of the world's most comprehensive data platforms, the ICT Eye.

Data Analytics and Applications of the Wearable Sensors in Healthcare Mar 01 2023 This book provides a collection of comprehensive research articles on data analytics and applications of wearable devices in healthcare. This Special Issue presents 28 research studies from 137 authors representing 37 institutions from 19 countries. To facilitate the understanding of the research articles, we have organized the book to show various aspects covered in this field, such as eHealth, technology-integrated research, prediction models, rehabilitation studies, prototype systems, community health studies, ergonomics design systems, technology acceptance model evaluation studies, telemonitoring systems, warning systems, application of sensors in sports studies, clinical systems, feasibility studies, geographical location based systems, tracking systems, observational studies, risk assessment studies, human activity recognition systems, impact measurement systems, and a systematic review. We would like to take this opportunity to invite high quality research articles for our next Special Issue entitled "Digital Health and Smart Sensors for Better Management of Cancer and Chronic Diseases" as a part of Sensors journal.

Invariant Subspaces of Matrices with Applications Feb 05 2021 This unique book addresses advanced linear algebra from a perspective in which invariant subspaces are the central notion and main tool. It contains comprehensive coverage of geometrical, algebraic, topological, and analytic properties of

invariant subspaces. The text lays clear mathematical foundations for linear systems theory and contains a thorough treatment of analytic perturbation theory for matrix functions. Audience: appropriate for students, instructors, and researchers in applied linear algebra, linear systems theory, and signal processing. Its contents are accessible to readers who have had undergraduate-level courses in linear algebra and complex function theory.

Advances in Databases and Information Systems Dec 03 2020 The chapter "An Efficient Index for Reachability Queries in Public Transport Networks" is available open access under a Creative Commons Attribution 4.0 International License via link.springer.com.

Screen-based Art Aug 11 2021 In the 21st century, the screen - the Internet screen, the television screen, the video screen and all sorts of combinations thereof - will be booming in our visual and infotechno culture. Screen-based art, already a prominent and topical part of visual culture in the 1990s, will expand even more. In this volume, digital art - the new media - as well as its connectedness to cinema will be the subject of investigation. The starting point is a two-day symposium organized by the Netherlands Media Art Institute Montevideo/TBA, in collaboration with the L&B (Lier en Boog) series and the Amsterdam School of Cultural Analysis (ASCA). Issues which emerged during the course of investigation deal with questions such as: How could screen-based art be distinguished from other art forms? Could screen-based art theoretically be understood in one

definite model or should one search for various possibilities and/or models? Could screen-based art be canonized? What are the physical and theoretical forms of representation for screen-based art? What are the idiosyncratic concepts geared towards screen-based art? This volume includes various arguments, positions, and statements by artists, curators, philosophers, and theorists. The participants are Marie-Luise Angerer, Annette W. Balkema, René Beekman, Raymond Bellour, Peter Bogers, Joost Bolten, Noël Carroll, Sean Cubitt, Călin Dan, Chris Dercon, Honoré d'O, Anne-Marie Duquet, Ken Feingold, Ursula Frohne, hARTware curators, Heiner Holtappels, Aernout Mik, Patricia Pisters, Nicolaus Schafhausen, Jeffrey Shaw, Peter Sloterdijk, Ed S. Tan, Barbara Visser and Siegfried Zielinski.

Groundwater Hydraulics Jan 24 2020 Groundwater Hydraulics

Selected of Norman Levinson Mar 26 2020 Norman Levinson (1912–1975) was a mathematician of international repute. This collection of his selected papers bears witness to the profound influence Levinson had on research in mathematical analysis with applications to problems in science and technology.

Immobilienwirtschaft aktuell 2020 Oct 01 2020 Dieser Band enthält zehn aktuelle Beiträge zur Schweizer Immobilienwirtschaft. Die Arbeiten bieten raschen und einfachen Zugriff auf aktuelle Erkenntnisse aus den Themengebieten «Immobilieninvestments», «Projektentwicklung» sowie «Urban Management». Die Publikation Immobilienwirtschaft aktuell erscheint jährlich und wird vom Center for Urban & Real Estate Management

(CUREM) herausgegeben. Sie enthält die Zusammenfassungen der besten Abschlussarbeiten des Masters of Advanced Studies in Real Estate. Ziel ist die Förderung der akademischen und zugleich praxisnahen Diskussion immobilienrelevanter Themen in der Schweiz. Die vollständigen Abschlussarbeiten stehen auf www.curem.uzh.ch zum kostenlosen Download zur Verfügung. CUREM ist Teil des Instituts für Banking und Finance an der Universität Zürich und widmet sich der immobilienwirtschaftlichen Forschung und Weiterbildung. Ziel ist die Förderung einer professionellen Immobilienwirtschaft in der Schweiz. Nebst dem RICS akkreditierten, berufsbegleitenden Studiengang zum «Master of Advanced Studies in Real Estate» und dem «Certificate of Advanced Studies in Urban Management» führt CUREM verschiedene Kompaktkurse, Expertenworkshops und Fachveranstaltungen durch.

Analytic Number Theory Feb 17 2022 This volume contains a collection of research and survey papers written by some of the most eminent mathematicians in the international community and is dedicated to Helmut Maier, whose own research has been groundbreaking and deeply influential to the field. Specific emphasis is given to topics regarding exponential and trigonometric sums and their behavior in short intervals, anatomy of integers and cyclotomic polynomials, small gaps in sequences of sifted prime numbers, oscillation theorems for primes in arithmetic progressions, inequalities related to the distribution of primes in short intervals, the Möbius function, Euler's totient function, the Riemann zeta function and the Riemann Hypothesis. Graduate students, research

mathematicians, as well as computer scientists and engineers who are interested in pure and interdisciplinary research, will find this volume a useful resource. Contributors to this volume: Bill Allombert, Levent Alpoge, Nadine Amersi, Yuri Bilu, Régis de la Bretèche, Christian Elsholtz, John B. Friedlander, Kevin Ford, Daniel A. Goldston, Steven M. Gonek, Andrew Granville, Adam J. Harper, Glyn Harman, D. R. Heath-Brown, Aleksandar Ivić, Geoffrey Iyer, Jerzy Kaczorowski, Daniel M. Kane, Sergei Konyagin, Dimitris Koukoulopoulos, Michel L. Lapidus, Oleg Lazarev, Andrew H. Ledoan, Robert J. Lemke Oliver, Florian Luca, James Maynard, Steven J. Miller, Hugh L. Montgomery, Melvyn B. Nathanson, Ashkan Nikeghbali, Alberto Perelli, Amalia Pizarro-Madariaga, János Pintz, Paul Pollack, Carl Pomerance, Michael Th. Rassias, Maksym Radziwiłł, Joël Rivat, András Sárközy, Jeffrey Shallit, Terence Tao, Gérald Tenenbaum, László Tóth, Tamar Ziegler, Liyang Zhang.

Creating Values with Operations and Analytics Jul 22 2022 This book showcases how the latest and most advanced types of analytical modeling and empirical analysis can help to create value in the global supply chain. Focusing on practical relevance, it shares valuable management insights and addresses key issues in operations management (OM), demonstrating how past research has led to various practices and impacts, while also exploring the aspirations of the latest research. It presents current research on various topics such as global supply chain design, service supply chains, product design, responsible supply chains, performance and incentives in operations, data analytics in health

services, new business models in the digital age, and new digital technology advances such as blockchain. In addition, it presents practical case studies on the aforementioned topics. Beyond the value of its contents, the book is intended as a tribute to Professor Morris Cohen, who has been a major contributor to advancing the research frontier in operations management and a driving force in shaping the field. Given its scope, the book will appeal to a wide readership, from researchers and PhD students to practitioners and consultants.

Numerical Methods in Economics Nov 21 2019 To harness the full power of computer technology, economists need to use a broad range of mathematical techniques. In this book, Kenneth Judd presents techniques from the numerical analysis and applied mathematics literatures and shows how to use them in economic analyses. The book is divided into five parts. Part I provides a general introduction. Part II presents basics from numerical analysis on R^n , including linear equations, iterative methods, optimization, nonlinear equations, approximation methods, numerical integration and differentiation, and Monte Carlo methods. Part III covers methods for dynamic problems, including finite difference methods, projection methods, and numerical dynamic programming. Part IV covers perturbation and asymptotic solution methods. Finally, Part V covers applications to dynamic equilibrium analysis, including solution methods for perfect foresight models and rational expectation models. A website contains supplementary material including programs and answers to exercises.

Mathematical Principles for Scientific Computing

and Visualization May 28 2020 This non-traditional introduction to the mathematics of scientific computation describes the principles behind the major methods, from statistics, applied mathematics, scientific visualization, and elsewhere, in a way that is accessible to a large part of the scientific community. Introductory material includes computational basics, a review of coordinate systems, an introduction to facets (planes and triangle meshes) and an introduction to computer graphics. The scientific computing part of the book covers topics in numerical linear algebra (basics, solving linear system, eigen-problems, SVD, and PCA) and numerical calculus (basics, data fitting, dynamic processes, root finding, and multivariate functions). The visualization component of the book is separated into three parts: empirical data, scalar values over 2D data, and volumes.

Graph Drawing and Network Visualization Apr 19 2022 This book constitutes the refereed proceedings of the 28th International Symposium on Graph Drawing and Network Visualization, GD 2020, which was held during September 16-18, 2020. The conference was planned to take place in Vancouver, Canada, but changed to an online format due to the COVID-19 pandemic. The 29 full and 9 short papers presented in this volume were carefully reviewed and selected from 82 submissions. They were organized in topical sections named: gradient descent and queue layouts; drawing tree-like graphs, visualization, and special drawings of elementary graphs; restricted drawings of special graph classes; orthogonality; topological constraints; crossings, k-planar graphs; planarity; graphs drawing contest.

Does Sentiment Harm Market Efficiency? Jul 30 2020

Spatiotemporal Analytics Sep 24 2022 This book

introduces readers to spatiotemporal analytics that are extended from spatial statistics. Spatiotemporal analytics help analysts to quantitatively recognize and evaluate the spatial patterns and their temporal trends of a set of geographic events or objects.

Spatiotemporal analyses are very important in geography, environmental sciences, economy, and many other domains. Spatiotemporal Analytics explains in very simple terms the concepts of spatiotemporal data and statistics, theories, and methods used.

Each chapter introduces a case study as an example application for an in-depth learning process. The software used and the codes provided enable readers not only to learn statistics but also to use them effectively in their projects.

- Provides a comprehensive understanding of spatiotemporal analytics to readers with minimum knowledge in statistics.
- Written in simple, understandable language with step-by-step instructions.
- Includes numerous examples for all theories and methods explained in the book covering a wide range of applications from different disciplines.

- Each application includes a software code needed to follow the instructions.
- Each chapter also has a set of prepared PowerPoint slides to help

spatiotemporal analytics instructors explain the content. Undergraduate and graduate students who use Geographic Information Systems or study Geographical Information Science will find this book useful. The subject matter is also pertinent to an array of disciplines such as agriculture, anthropology, archaeology, architecture, biology, business

administration and management, civic engineering, criminal justice, epidemiology, geography, geology, marketing, political science, and public health.

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