Die Technik Wissenschaftlichen Arbeitens Toc

Not all sentences encode their subjects in the same way. Some languages overtly mark some subjects depending on certain features of the subject argument or the sentence in which the subject figures. This is known as Differential Subject Marking (DSM). Containing illuminating discussions of DSM from languages all over the world, this book shows that DSM is often the result of interactions between conflicting constraints on language use.

"Kanban is becoming a popular way to visualize and limit work-in-progress in software development and information technology work. Teams around the world are adding Kanban around their existing processes to catalyze cultural change and deliver better business agility. David J. Anderson pioneered the Kanban Method. Hear how this happened and what you can do to succeed using Kanban."--Publisher's website.

A unique, comprehensive report discussing the potential and the organizational constraints of employee empowerment.

Testing Hearing: The Making of Modern Aurality argues that the modern cultural practices of hearing and testing have emerged from a long interrelationship. Since the early nineteenth century, auditory test tools (whether organ pipes or electronic tone generators) and the results of hearing tests have fed back into instrument calibration, human training, architecture, and the creation of new musical sounds. Hearing tests received a further boost around 1900 as a result of injury compensation laws and state and professional demands for aptitude testing in schools, conservatories, the military, and other fields. Applied at large scale, tests of seemingly small measure-of auditory acuity, of hearing range-helped redefine the modern concept of hearing as such. During the twentieth and twenty-first centuries, the epistemic function of hearing expanded. Hearing took on the dual role of test object and test instrument; in the latter case, human hearing became a gauge by which to evaluate or regulate materials, nonhuman organisms, equipment, and technological systems. This book considers both the testing of hearing and testing with hearing to explore the co-creation of modern epistemic and auditory cultures. The book's twelve contributors trace the design of ever more specific tests for the arts, education and communication, colonial and military applications, sociopolitical and industrial endeavors. Together, they demonstrate that testing as such became an enduring and wide-ranging cultural technique in the modern period, one that is situated between histories of scientific experimentation and many fields of application.

Bibliothekarisches GrundwissenWalter de Gruyter GmbH & Co KG

"Irmgard Bartenieff has a profound knowledge of the human body and how it moves. I am delighted that this will now be made available to many more people.'." -- George Balanchine of Director, New York City Ballet

"Irmgard Bartenieff's pioneering work in the multiple applications of Labananalysis has had a transforming influence on many areas of movement training. Her careful and detailed development of the spatial principles into active corrective work has illuminated and altered the training of people as varied as dancers, choreographers, physical therapists, movement and dance therapists, and psychotherapists. Anthropologists and non-verbal communication researchers have found their world view necessarily altered by her fundamental innovations. The field of body/mind work will need to adapt to include her clear working through of basic principles.'." -- Kayla Kazahn Zalk of President, American Dance Guild

Since its publication, C.F. Gauss's Disquisitiones Arithmeticae (1801) has
acquired an almost mythical reputation, standing as an ideal of exposition in notation, problems and methods; as a model of organisation and theory building; and as a source of mathematical inspiration. Eighteen authors - mathematicians, historians, philosophers - have collaborated in this volume to assess the impact of the Disquisitiones, in the two centuries since its publication.


Includes reports of special sessions.

High purity, thin metal coatings have a variety of important commercial applications, for example, in the microelectronics industry, as catalysts, as protective and decorative coatings as well as in gas-diffusion barriers. This book offers detailed, up-to-date coverage of the chemistry behind the vapor deposition of different metals from organometallic precursors. In nine chapters, the CVD of metals including aluminum, tungsten, gold, silver, platinum, palladium, nickel, as well as copper from copper(I) and copper(II) compounds is covered. The synthesis and properties of the precursors, the growth process, morphology, quality and adhesion of the resulting films as well as laser-assisted, ion-assisted and plasma-assisted methods are discussed. Present applications and prospects for future developments are summarized. With ca. 1000 references and a glossary, this book is a unique source of in-depth information. It is indispensable for chemists, physicists, engineers and materials scientists working with metal-coating processes and technologies. From Reviews: 'I highly recommend this book to anyone interested in learning more about the chemistry of metal CVD.' J. Am Chem. Soc.

1907-09 include Patentschriften-sammlung der Chemischen Zeitschrift, no.1-15.

To solve real-world issues, the model of transdisciplinary research, which uses approaches from both the hard and social sciences, has recently come to the forefront. It allows researchers to look at a problem from many angles, with the goal of making both societal and scientific advances. This primer provides scholars with a model for this type of work, while offering a description of methods for knowledge integration that can be applied to any field, making it an indispensable guide for every transdisciplinary researcher and teacher.


These days everyone is talking about Linux. But does Linux and other Open Source software really make good business sense? What are the opportunities -- and risks? This book provides the answers. Written by Donald K. Rosenberg, a respected Open Source authority, it provides a clear, objective analysis of all the critical business issues, from reliability and licensing concerns to opportunities and challenges down the road.

Carl Friedrich Gauss's textbook, Disquisitiones arithmeticae, published in 1801 (Latin), remains to this day a true masterpiece of mathematical examination. This book introduces the reader with little or no previous computer-programming experience to the Python programming language of interest for a physicist or a natural-sciences student. The book starts with basic interactive Python in order to acquire an introductory familiarity with the language, than tackle Python scripts (programs) of increasing complexity, that the reader is invited to run on her/his computer. All program listings are discussed in detail, and the reader is invited to experiment on what happens if some code lines are modified. The reader is introduced to Matplotlib graphics for the generation of figures representing data and function plots and, for instance, field lines. Animated function plots are also considered. A chapter is dedicated to the numerical solution of algebraic and transcendental equations, the basic mathematical principles are discussed and the available Python tools for the solution are presented. A further chapter is dedicated to the numerical solution of ordinary differential equations. This is of vital importance for the physicist, since differential equations are at the base of both classical physics (Newton's equations) and quantum mechanics (Schroedinger's equation). The shooting method for the numerical solution of ordinary differential equations with boundary conditions at two boundaries is also presented. Python programs for the solution of two quantum-mechanics problems are discussed as examples. Two chapters are dedicated to Tkinter graphics, which gives the user more freedom than Matplotlib, and to Tkinter animation. Programs displaying the animation of physical problems involving the solution of ordinary differential equations (for which in most cases there is no algebraic solution) in real time are presented and discussed. Finally, 3D animation is presented with Vpython. This compilation of cutting-edge philosophical and scientific research comprises a survey of recent neuroscientific research on representational systems in animals and humans. Representational systems provide their owners with useful information about their environment and are shaped by the special informational needs of the organism with respect to its environment. In this volume, the authors address the long-standing dispute about the usefulness of the notion of representation in the study of behavior systems and offer a fresh perspective on representational systems that combines philosophical insights and experimental experience.

With this book, the promise of the Semantic Web -- in which machines can find, share, and combine data on the Web -- is not just a technical possibility, but a practical reality. Programming the Semantic Web demonstrates several ways to implement semantic web applications, using current and emerging standards and technologies. You'll learn how to incorporate existing data sources into semantically aware applications and publish rich semantic data. Each chapter walks you through a single piece of semantic technology and explains how you can use it to solve real problems. Whether you're writing a simple mashup or maintaining a high-performance enterprise solution, Programming the Semantic Web provides a standard, flexible approach for integrating and future-proofing systems and data. This book will help you: Learn how the Semantic Web allows new and unexpected uses of data to emerge Understand how semantic technologies promote data portability with a simple, abstract model for knowledge representation Become familiar with semantic standards, such as the
Resource Description Framework (RDF) and the Web Ontology Language (OWL) make use of semantic programming techniques to both enrich and simplify current web applications. Metal contamination is an increasing ecological and eco-toxicological risk. Understanding the processes involved in metal mobilization, sorption and mineralization in soils are key features for soil bioremediation. Following an introduction to the physical, chemical and biological components of contaminated soils, various chapters address the interactions of soil, microorganisms, plants and the water phase necessary to transfer metals into biological systems. These include topics such as potential hazards at mining sites; rare earth elements in biotic and abiotic acidic systems; manganese redox reactions; biomineralisation, uranium in seepage water; metal-resistant streptomycetes; mycorrhiza in reforestation; metal (hyper)accumulation in plants; microbial metal uptake; and their potential for bioremediation. This book will be of interest to soil biologists, geologists and chemists, researchers and graduate students, as well as consulting companies and small enterprises involved in bioremediation.

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