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Max-Planck-Gesellschaft Jahrbuch 1989
Sustainability Science and Technology Alejandro De Las Heras 2014-04-01 Sustainability Science and Technology: An Introduction explains the root causes of global failures in natural and human systems, as well as the most readily available technological solutions. The book dispels risky scientific and technological ideas that further complicate the current environmental and socioeconomic predicaments. It also bridges gaps among scientific and technological fields and systematically translates current findings for a wide technical and public audience. Written at a level accessible to all, the story is told one bite-sized chapter at a time, about the size of a scientific journal article. The chapters are self-contained, each grappling with a large topic. This provides more in-depth coverage of a topic than a standard encyclopedia article and promotes the widest possible dialog around sustainability issues and their solutions. Case studies from all continents and all technological development levels expound viable solutions for each of the planetary systems: water, soils, and atmosphere. In turn, the wider socioeconomic context of sustainable science and technology is examined. One of the first books to address the full scope of sustainability, it sets the stage for discussion and sustainability re(training) across professional divides. The editor and contributors take a balanced approach that is neither too technical nor too focused on any particular field. They highlight global and regional perspectives and the linkages between different planetary and human systems. The book helps you understand the thorny essence of sustainability issues—often fraught with ethical dilemmas, obsolete technologies, and lifestyle implications—and how to develop solutions to them.
Meyers Handbuch Weltall Joachim Krautter 1994
Pollen Terminology 2009 Palynology is important in basic as well as in manifold applied sciences, e.g. biology, medicine, forensics, earth history, climatology and food production. This volume is the first fully illustrated handbook of palynological principles and glossary terms, exclusively using LM and EM micrographs of superior quality.
Fiber Optics Standard Dictionary Martin Weik 2012-12-06 Fiber Optics Vocabulary Development In 1979, the National Communications System published Technical InfonnationBulle tin TB 79-1, Vocabulary for Fiber Optics and Lightwave Communications, written by this author. Based on a draft prepared by this author, the National Communications System published Federal Standard FED-STD-1037, Glossary of Telecommunications Terms, in 1980 with no fiber optics tenns. In 1981, the first edition of this dictionary was published under the title Fiber Optics and Lightwave Communications Standard Dictionary. In 1982, the then National Bureau of Standards, now the National Institute of Standards and Technology, published NBS Handbook 140, Optical Waveguide Communications Glossary, which was also published by the General Services Admin istration as PB82-166257 under the same title. Also in 1982, Dynamic Systems, Inc. , Fiberoptic Sensor Technology Handbook, co-authored and edited by published the this author, with an extensive Fiberoptic Sensors Glossary. In 1989, the handbook was republished by Optical Technologies, Inc. It contained the same glossary. In 1984, the Institute of Electrical and Electronic Engineers published IEEE Standard 812-1984, Definitions of Terms Relating to Fiber Optics. In 1986, with the assistance of this author, the National Communications System published FED-STD-1037A, Glossary of Telecommunications Terms, with a few fiber optics tenns. In 1988, the Electronics Industries Association issued EIA-440A, Fiber Optic Terminology, based primarily on PB82-166257. The International Electrotechnical Commission then pub lished IEC 731, Optical Communications, Terms and Definitions. In 1989, the second edition of this dictionary was published.
Nursing Informatics and the Foundation of Knowledge Dee McGonigle 2014-03-01 Nursing Informatics and the Foundation of Knowledge, Third Edition is an outstanding student resource and guide to the history of healthcare informatics, current issues, basic informatics concepts, and health information management applications. This comprehensive text includes the building blocks of informatics through complicated topics such as data mining, bioinformatics, and system development. The content is enhanced through its grounding in the Foundation of Knowledge Model. The Third Edition has been expanded to include informatics coverage for all levels of nursing practice from a Bachelor's Degree through a DNP degree. As a result, a new chapter on Data Mining as a Research Tool and The Art of Caring in Technology Laden Environments were added to the text. Important Notice: The digital edition of this book is missing some of the images or content found in the physical edition.
On the Offensive Karen Stollznow 2020 Why do certain words have the power to offend? This book sheds light on prejudice in language, past and present.
Plastics Technical Dictionary: German-English, 2d rev. and augm. ed Annemarie Wittfoht 1961
Logic Programming with Prolog Max Bramer 2013-11-08 Logic Programming is the name given to a distinctive style of programming, very different from that of conventional programming languages such as C++ and Java. By far the most widely used Logic Programming language is Prolog. Prolog is a good choice for developing complex applications, especially in the field of Artificial Intelligence. Logic Programming with Prolog does not assume that the reader is an experienced programmer or has a background in Mathematics, Logic or Artificial Intelligence. It starts from scratch and aims to arrive at the point where quite powerful programs can be written in the language. It is intended both as a textbook for an introductory course and as a self-study book. On completion readers will know enough to use Prolog in their own research or practical projects. Each chapter has self-assessment exercises so that readers may check their own progress. A glossary of the technical terms used completes the book. This second edition has been revised to be fully compatible with SWI-Prolog, a popular multi-platform public domain implementation of the language. Additional chapters have been added covering the use of Prolog to analyse English sentences and to illustrate how Prolog can be used to implement applications of an 'Artificial Intelligence' kind. Max Bramer is Emeritus Professor of Information Technology at

the University of Portsmouth, England. He has taught Prolog to undergraduate computer science students and used Prolog in his own work for many years.

CODATA Newsletter CODATA. 1978

Using the Biological Literature Diane Schmidt 2014-04-14 The biological sciences cover a broad array of literature types, from younger fields like molecular biology with its reliance on recent journal articles, genomic databases, and protocol manuals to classic fields such as taxonomy with its scattered literature found in monographs and journals from the past three centuries. Using the Biological Literature: A Practical Guide, Fourth Edition is an annotated guide to selected resources in the biological sciences, presenting a wide-ranging list of important sources. This completely revised edition contains numerous new resources and descriptions of all entries including textbooks. The guide emphasizes current materials in the English language and includes retrospective references for historical perspective and to provide access to the taxonomic literature. It covers both print and electronic resources including monographs, journals, databases, indexes and abstracting tools, websites, and associations—providing users with listings of authoritative informational resources of both classical and recently published works. With chapters devoted to each of the main fields in the basic biological sciences, this book offers a guide to the best and most up-to-date resources in biology. It is appropriate for anyone interested in searching the biological literature, from undergraduate students to faculty, researchers, and librarians. The guide includes a supplementary website dedicated to keeping URLs of electronic and web-based resources up to date, a popular feature continued from the third edition.

Jahrbuch ... der Max-Planck-Gesellschaft zur Förderung der Wissenschaften 1989

Current Catalog National Library of Medicine (U.S.) 1993 First multi-year cumulation covers six years: 1965-70.

Elements of Computer Security David Salomon 2010-08-05 As our society grows ever more reliant on computers, so it also becomes more vulnerable to computer crime. Cyber attacks have been plaguing computer users since the 1980s, and computer security experts are predicting that smart telephones and other mobile devices will also become the targets of cyber security threats in the future. Developed from the author's successful Springer guide to Foundations of Computer Security, this accessible textbook/reference is fully updated and enhanced with resources for students and tutors. Topics and features: examines the physical security of computer hardware, networks, and digital data; introduces the different forms of rogue software (or malware), discusses methods for preventing and defending against malware, and describes a selection of viruses, worms and Trojans in detail; investigates the important threats to network security, and explores the subjects of authentication, spyware, and identity theft; discusses issues of privacy and trust in the online world, including children's privacy and safety; includes appendices which discuss the definition, meaning, and history of the term hacker, introduce the language of "l33t Speak", and provide a detailed virus timeline; provides numerous exercises and examples throughout the text, in addition to a Glossary of terms used in the book; supplies additional resources at the associated website, http://www.DavidSalomon.name/, including an introduction to cryptography, and answers to the exercises. Clearly and engagingly written, this concise textbook is an ideal resource for undergraduate classes on computer security. The book is mostly non-mathematical, and is suitable for anyone familiar with the basic concepts of computers and computations.

Geodetic Glossary National Geodetic Survey (U.S.) 1986

Exploring Textual Data Ludovic Lebart 1997-12-31 Researchers in a number of disciplines deal with large text sets requiring both text management and text analysis. Faced with a large amount of textual data collected in marketing surveys, literary investigations, historical archives and documentary data bases, these researchers require assistance with organizing, describing and comparing texts. Exploring Textual Data demonstrates how exploratory multivariate statistical methods such as correspondence analysis and cluster analysis can be used to help investigate, assimilate and evaluate textual data. The main text does not contain any strictly mathematical demonstrations, making it accessible to a large audience. This book is very user-friendly with proofs abstracted in the appendices. Full definitions of concepts, implementations of procedures and rules for reading and interpreting results are fully explored. A succession of examples is intended to allow the reader to appreciate the variety of actual and potential applications and the complementary processing methods. A glossary of terms is provided.

The Solar System David G. Fisher 2010 Covers 180 features of Earth's solar system, including every major body and phenomenon, offering detailed basic information on all major aspects.

Principles of Data Mining Max Bramer 2020-05-21 This book explains and explores the principal techniques of Data Mining, the automatic extraction of implicit and potentially useful information from data, which is increasingly used in commercial, scientific and other application areas. It focuses on classification, association rule mining and clustering. Each topic is clearly explained, with a focus on algorithms not mathematical formalism, and is illustrated by detailed worked examples. The book is written for readers without a strong background in mathematics or statistics and any formulae used are explained in detail. It can be used as a textbook to support courses at undergraduate or postgraduate levels in a wide range of subjects including Computer Science, Business Studies, Marketing, Artificial Intelligence, Bioinformatics and Forensic Science. As an aid to self-study, it aims to help general readers develop the necessary understanding of what is inside the 'black box' so they can use commercial data mining packages discriminatingly, as well as enabling advanced readers or academic researchers to understand or contribute to future technical advances in the field. Each chapter has practical exercises to enable readers to check their progress. A full glossary of technical terms used is included. Principles of Data Mining includes descriptions of algorithms for classifying streaming data, both stationary data, where the underlying model is fixed, and data that is time-dependent, where the underlying model changes from time to time - a phenomenon known as concept drift. The expanded fourth edition gives a detailed description of a feed-forward neural network with backpropagation and shows how it can be used for classification.

Springer-Verlag. Pt. 1: 1842-1945 : foundation, maturation, adversity Heinz Sarkowski 1996-10-07 On the 10th of May 1842, his 25th birthday, the Berlin bookseller Julius Springer opened his own bookstore and at the same time began a career as a publisher. The publishing program was extended over the following generations, and the company expanded to become the most important German scientific publishing house. The author describes this development, mostly using information from the Springer archives. The addition of nearly 400 figures and tables makes this a highly informative document of the history of bookselling, publishing and science. A second volume contains the history of the publishing house from 1945 to 1992.

Encyclopedia of Chemical Physics and Physical Chemistry: Applications Nicholas D. Spencer 2001

Foreign-language and English Dictionaries in the Physical Sciences and Engineering Tibor W. Marton 1964

Mathematical Optimization Terminology Andre A. Keller 2017-11-10 Mathematical Optimization Terminology: A Comprehensive Glossary of Terms is a practical book with the essential formulations, illustrative examples, real-world applications and main references on the topic. This book helps readers gain a more practical understanding of optimization, enabling them to apply it to their algorithms. This book also addresses the need for a practical publication that introduces these concepts and techniques. Discusses real-world applications of optimization and how it can be used in algorithms Explains the essential formulations of optimization in mathematics Covers a more practical approach to optimization

Illustrated Dictionary of Mechanical Engineering 2013-10-03 with the principles accepted in textbooks on the subject. The key language is English. The English This Dictionary is designed for people who term is followed ·by its German, French, Dutch have just started studying mechanical engineering and Russian equivalents, and by an illustration. terms in a foreign language, particularly for those In most cases, this is a simplified drawing of the who have little or no

knowledge of either the terms object or a diagram of the process. Sometimes, or their meaning. The latter category of readers other self-explanatory devices are used - mathe may find it useful, in addition to the translation matical signs, chemical formulas or examples of of the term, to have an explanation of its meaning the chemical composition of alloys. as well. In the Dictionary, such explanation is The terms are numbered. The numbers serve, provided by means of internationally accepted first, to relate the term to the drawing, and, second, symbols, formulas, charts, diagrams, plans and they facilitate the f'mding of the necessary trans drawings. In this way, illustrations serve as a lation of a term via the alphabetical index. Each universal intermediary between languages. As a number consists of two parts separated by a full rule, the illustration for a term consists of that stop, e. g. 12. 5.

Springer-Verlag: History of a Scientific Publishing House Heinz Sarkowski 2008-12-21 This book describes the fortunes and activities of one of the few specialist publishing houses still in the hands of the same family that established it over years ago, and with it gives a p- trayal of those members who directed it. In doing so it covers a period of momentous historical events that directly and in- rectly shaped the firm's actions and achievements. But this volume tells not only, in word and picture, the story of Springer- Verlag but also, interwoven with it, the story of scientific p- lishing in Germany over the span of a hundred years. The text, densely packed with carefully researched facts and figures, is illuminated and supplemented by many illustrations whose captions, together with the author's notes, contain a wealth of important and interesting information. The reader is urged to read these captions as well as the notes so as to - preciate in full the events and people described. I have added a few footnotes to clarify or expand on some matters that may be unfamiliar to non-German readers. Because of the long period of time covered in these pages many of the documents and letters shown and commented upon are different in diction and style from those of today. An - tempt was made in the translation to keep the flavour of the original language and not contemporise it.

Glossary of Geology Klaus K. E. Neuendorf 2011 Contains nearly 40,000 entries, including 3,600 new terms and nearly 13,000 entries with revised definitions from the previous edition. The revisions represent both advances in scientific thought and changes in usage and they make this 800+ page hardbound a must for any earth science professional or student. In addition to definitions, many entries include background information and aids to syllabication. The Glossary draws its authority from the expertise of the more than 100 geoscientists in many specialties who reviewed definitions and added new terms. --from publisher description

Fachbegriffe für Kompositbauteile – Technical terms for composite parts Ralf Cuntze 2019-11-06 Dies Fachbuch ist ein Glossar, das einen breiten Überblick geben soll zu Begriffen, die in mehreren Fach-Disziplinen verwendet werden. Schwerpunkt sind hochbeanspruchte Bauteile aus Faserverbundwerkstoffen, d.h. aus Fasern - vornehmlich aus Carbonfasern – mit Polymermatrix (Epoxid, Thermoplast) und Betonmatrix (Carbonbeton mit dem technischen Textil Bewehrungs-Gitter oder mit dem Stäben). Der breite Anwendungsbereich umfasst Rohre und Behälter, Rotorblätter, Fußgängerbrücken, textile Gebäudehüllen, Fertigteilgaragen, vorgespannte Platten, räumliche Tragkonstruktionen aus allen möglichen Kombinationen einer Faser mit einer Matrix, bis hin zu einer Carbonverstärkung rostender Stahlbetonbrücken und wasserundurchlässigen Fundamenten. Mehrere Ingenieurgruppen sind also begrifflich miteinander zu verbinden. Der Autor setzt sich dabei kritisch mit einigen Begriffen auseinander und kommentiert sowie visualisiert diese zum besseren Verstehen, wo es ihm notwendig erscheint. Es ist eine Arbeit zur Anregung konstruktiver Diskussion, das Fachdisziplinen verbinden und durch „Gleiche Sprache sprechen“ Fehler und Missverständnisse im Entwicklungsprozess vermeiden helfen soll. Dies Vorhaben wird erschwert, da sich manche Begriffe von der ursprünglichen Festlegung weg entwickelt haben. Somit sind Begriffe und deren Definitionen zentraler Gegenstand des Glossars. Dazu gehören Abkürzungen und Indizierungen sowie ein Überblick-gebendes Ordnungsschema für Bauteil-verstärkende Faserverbundwerkstoffe. Angesprochen ist vor allem der dimensionierende Ingenieur.

A Glossary of Genetics and Cytogenetics R. Rieger 2013-04-17 The past two decades have witnessed a truly phenomenal growth and expansion in our knowledge of the principles and mechanisms of in heritance. :\iolecular and microbial genetics, for all purposes non-existent at the outset of this period, have developed and flourished to the extent of becoming major branches of genetics from which the most exciting and edifying concepts of gene function and structure have been derived. Similarly, man, heretofore a genetic curiosity, has become in his own right a genetic organism of first rank importance. It is, therefore, not without reason that accompanying the rapid proliferation of genetic knowledge, a parallel increase has occurred in the technical nomen clature and terminology special to the field of genetics and often special to specific branches of genetics. In preparing this glossary of ca. 2500 entries, we have attempted to compile and collate the terminology from seemingly unrelated, widely separated branches of genetics - classical and molecular; microbial and human; cytogenetics and population genetics. We have not been content merely to collect terms and definitions much as is found in a dictionary. Rather our aim has been to provide material suitable and usable both for students and research workers. Accordingly, depending upon our evaluation, some terms have simply been defined, others have been described at some length even to the extent of providing experi mental data.

Volcanic Landforms and Surface Features Jack Green 2012-12-06 THIS BOOK, conceived by N. M. S. , is patterned this atlas, namely to assemble into a single source after The Atlas and Glossary of Primary Sedi book a photographic record of nearly all volcanic mentary Structures by F. J. Pettijohn and P. E. Potter surface features described during the development (Springer-Verlag New York, Inc.). We introduce of volcanology so that future workers on terrestrial this atlas with a chapter by the late Arie Polder problems can refer to these photos for comparative vaart treating the principal concepts of volcanoes or illustrative purposes. as landforms, followed by a main section of photo Also, we hope that this atlas will serve as an aid graphs of volcanic structures and features arranged to those engaged in learning or teaching the funda in 198 Plates, and then conclude with an up mentals of geology and its sub fields, such as petro dated glossary of terms associated with volcan logy or geophysics. To this end we have attempted ology, its processes and products. to create a book simple and general enough to be The atlas is, in a sense, an outgrowth of the useful even at the secondary school level, but with expanding interest in volcanology recently stimu sufficient detail and rigor to be acceptable to both lated by the exploration of neighboring planetary students and professors in the universities. Further, bodies in the solar system.

Glossary of Genetics and Cytogenetics Rigomar Rieger 1976 Over 4000 entries. Intended for students and research workers. New terms added, 50 percent of text rewritten. Entries include word or phrase, explanatory definition, and source of concept introduced. Cross references. Bibliography of sources. 1st ed., 1954; 3d ed., 1968.

Guide to Java James T. Streib 2014-07-08 This book presents a focused and accessible primer on the fundamentals of Java programming, with extensive use of examples and hands-on exercises. Topics and features: provides an introduction to variables, input/output and arithmetic operations; describes objects and contour diagrams, explains selection structures, and demonstrates how iteration structures work; discusses object-oriented concepts such as overloading and classes methods, and introduces string variables and processing; illustrates arrays and array processing and examines recursion; explores inheritance and polymorphism and investigates elementary files; presents a primer on graphical input/output, discusses elementary exception processing, and presents the basics of Javadoc; includes exercises at the end of each chapter, with selected answers in an appendix and a glossary of key terms; provides additional supplementary information at an associated website.

OECD Glossary of Statistical Terms OECD 2008-09-01 The OECD Glossary contains a comprehensive set of over 6 700 definitions of key terminology, concepts and commonly used acronyms derived from existing international statistical guidelines and recommendations.

Springer Handbook of Wood Science and Technology Peter Niemz 2022-12-25 This

handbook provides an overview on wood science and technology of unparalleled comprehensiveness and international validity. It describes the fundamental wood biology, chemistry and physics, as well as structure-property relations of wood and wood-based materials. The different aspects and steps of wood processing are presented in detail from both a fundamental technological perspective and their realisation in industrial contexts. The discussed industrial processes extend beyond sawmilling and the manufacturing of adhesively bonded wood products to the processing of the various wood-based materials, including pulp and paper, natural fibre materials and aspects of bio-refinery. Core concepts of wood applications, quality and life cycle assessment of this important natural resource are presented. The book concludes with a useful compilation of fundamental material parameters and data as well as a glossary of terms in accordance with the most important industry standards. Written and edited by a truly international team of experts from academia, research institutes and industry, thoroughly reviewed by external colleagues, this handbook is well-attuned to educational demands, as well as providing a summary of state-of-the-art research trends and industrial requirements. It is an invaluable resource for all professionals in research and development, and engineers in practise in the field of wood science and technology.

Social Security Bulletin 1982

Glossary of neurotraumatology Elisha Stephens Gurdjian 1978

The American Glossary of Architectural Terms George O. Garnsey 1887

Soil and Environmental Science Dictionary E.G. Gregorich 2001-06-22 The lingo of soil science is a language unto itself. Soil and Environmental Science Dictionary is a glossary of terms used in soil and environmental science, including terms from related disciplines. Designed for teachers, students, researchers and others interested or involved in environmental sciences related to soils, this compilation includes a

Pollen Terminology Michael Hesse 2009-01-14 Palynology is important in basic as well as in manifold applied sciences, as e.g. biology, medicine, forensics, earth history, climatology and food production. This volume is the first fully illustrated handbook of palynological principles and glossary terms, exclusively using LM and EM micrographs of superior quality. A comprehensive General Chapter on pollen morphology, anatomy, pollen development etc. based on the present knowledge in palynology introduces the reader in the world of pollen. The glossary part comprises more than 300 widely used terms illustrated with over 1.000 high quality light and/or electron microscopic pictures to show the character range of a term. Terms are grouped by feature, e.g. ornamentation, where each term is illustrated on a separate page, definition and original citation included and where necessary, provided with a comprehensive explanatory comment. The term's use in LM, SEM or TEM and its assignment to anatomical, morphological and/or functional pollen features is indicated by icons and colour coding, respectively. This handbook is not only a valuable source for students and researchers but also for all persons interested in pollen and its aesthetic beauty.

NBS Special Publication 1964

Patient and Public Involvement in Health and Social Care Research Jurgen Grotz 2020-12-07 This book provides a comprehensive overview of the latest theory and practice on Patient and Public Involvement (PPI) in research. Its seven chapters cover the historical and conceptual background; the various ways implementation can be approached and how they are put into practice; ethical considerations and critical perspectives, including on the potentially negative impacts of PPI; approaches to meaningful evaluation; a step by-step guide to planning PPI and conclusions with considerations for future research. Drawing on current literature, this book provides an essential reference work for research students and all who want to better understand PPI in practice. It offers exercises to address key questions, case examples and a checklist for planning PPI and includes a valuable glossary of terms.

Guide to Data Structures James T. Streib 2017-12-30 This accessible and engaging textbook/guide provides a concise introduction to data structures and associated algorithms. Emphasis is placed on the fundamentals of data structures, enabling the reader to quickly learn the key concepts, and providing a strong foundation for later studies of more complex topics. The coverage includes discussions on stacks, queues, lists, (using both arrays and links), sorting, and elementary binary trees, heaps, and hashing. This content is also a natural continuation from the material provided in the separate Springer title Guide to Java by the same authors.Topics and features: reviews the preliminary concepts, and introduces stacks and queues using arrays, along with a discussion of array-based lists; examines linked lists, the implementation of stacks and queues using references, binary trees, a range of varied sorting techniques, heaps, and hashing; presents both primitive and generic data types in each chapter, and makes use of contour diagrams to illustrate object-oriented concepts; includes chapter summaries, and asks the reader questions to help them interact with the material; contains numerous examples and illustrations, and one or more complete program in every chapter; provides exercises at the end of each chapter, as well as solutions to selected exercises, and a glossary of important terms. This clearly-written work is an ideal classroom text for a second semester course in programming using the Java programming language, in preparation for a subsequent advanced course in data structures and algorithms. The book is also eminently suitable as a self-study guide in either academe or industry.