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 America's New Beginning
 GB/T 3766-2015 Translated English of Chinese Standard. (GBT 3766-2015, GB/T3766-2015, GBT3766-2015)
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 Clostridia

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Thomas' Register of American Manufacturers Springer Science & Business Media
 Providing detailed analysis of the thermal comfort assessment of clothing as the basis for developing standards, this book discusses the thermal protective role of clothing as a way of modelling heat transfer from the body, general thermal regulation of humans, and the importance of globally accepted test methods and standards to improve quality. New materials and discoveries in the study of thermal comfort necessitate the need for standard improvements and update. The development of international standards and the unification of testing methods is of crucial significance to ensure cost reduction and health protection. The book promotes instruments, methods, implementation of unified specifications, and the definition of standards so that a clear quality management system can be established, for both production systems and testing methods. It discusses standards in ergonomics of the thermal environment, clothing thermal characteristics, and subjective assessment of thermal comfort, which allows for systematic control of the measuring methods and the services and final products that are distributed on the global market. This book is aimed at industry professionals, researchers, and advanced students working in textile and clothing engineering, comfort testing, and ergonomics.
America's New Beginning Springer Science & Business Media
 The book begins by describing in detail the mechanisms of energy exchange - radiative, convective, conductive and evaporative - together with techniques for their determination. The discussion extends to the importance of CO₂, ozone and methane, together with that of aerosol pollutants and the evolution of atmospheric CO₂. Subsequent chapters apply the results of the biophysical methods to mammals, birds and aquatic animals. Discussion includes problems of shelter and shade for animals in tropical environments and techniques for the thermal evaluation for shelters and for several tree types. The details of heat exchange between animals and the environment are presented, in separate chapters covering Mammals and Birds and Aquatic Mammals. A chapter on Shade and Shelter describes the importance of shade for animals, factors of shade efficiency, the protections offered by shelter and methods of calculating the protection afforded by both shade and shelter. A Special Methods chapter offers a variety of techniques for evaluating cutaneous and respiratory evaporation, and practical methods for sampling of hairs and the evaluation of hair coat characteristics.
 GB/T 3766-2015 Translated English of Chinese Standard. (GBT

3766-2015, GB/T3766-2015, GBT3766-2015) Academic Press
 This standard specifies the outlined details of safety of machinery standards. This standard may help the designers and manufacturers of machinery and associated equipment, particularly where specific Category C standard is unavailable, to correctly understand relevant safety of machinery standards. Note: this standard does not cover the contents of Category C standards.

Health and Safety in Care Homes Springer Science & Business Media

The topic of this book is known as dynamic scheduling, and is used to refer to three dimensions of project management and scheduling: the construction of a baseline schedule and the analysis of a project schedule's risk as preparation of the project control phase during project progress. This dynamic scheduling point of view implicitly assumes that the usability of a project's baseline schedule is rather limited and only acts as a point of reference in the project life cycle. Consequently, a project schedule should especially be considered as nothing more than a predictive model that can be used for resource efficiency calculations, time and cost risk analyses, project tracking and performance measurement, and so on. In this book, the three dimensions of dynamic scheduling are highlighted in detail and are based on and inspired by a combination of academic research studies at Ghent University (www.ugent.be), in-company trainings at Vlerick Business School (www.vlerick.com) and consultancy projects at OR-AS (www.or-as.be). First, the construction of a project baseline schedule is a central theme throughout the various chapters of the book, and is discussed from a complexity point of view with and without the presence of project resources. Second, the creation of an awareness of the weak parts in a baseline schedule is discussed at the end of the two baseline scheduling parts as schedule risk analysis techniques that can be applied on top of the baseline schedule. Third, the baseline schedule and its risk analyses can be used as guidelines during the project control step where actual deviations can be corrected within the margins of the project's time and cost reserves. The second edition of this book has seen corrections, additions and amendments in detail throughout the book. Moreover Chapter 15 on "Dynamic Scheduling with ProTrack" has been completely rewritten and extended with a section on "ProTrack as a research tool".

Monthly Catalogue, United States Public Documents

<https://www.chinesestandard.net>
 The ongoing digitisation of the literary papyri (and related technical texts like the medical papyri) is leading to new thoughts on the concept and shape of the "digital critical edition" of ancient documents. First of all, there is the need of representing any

textual and paratextual feature as much as possible, and of encoding them in a semantic markup that is very different from a traditional critical edition, based on the mere display of information. Moreover, several new tools allow us to reconsider not only the linguistic dimension of the ancient texts (from exploiting the potentialities of linguistic annotation to a full consideration of language variation as a key to socio-cultural analysis), but also the very concept of philological variation (replacing the mono-authorial view of a reconstructed archetype with a dynamic multitextual model closer to the fluid aspect of the textual transmission). The contributors, experts in the application of digital strategies to the papyrological research, face these issues from their own viewpoints, not without glimpses on parallel fields like Egyptology and Near Eastern studies. The result is a new, original and cross-disciplinary overview of a key issue in the digital humanities.

Indoor Thermal Comfort Perception kassel university press GmbH
 Current evidence suggests that the ischemic preconditioning response is a multi-factorial process consisting of an initial early trigger, an intermediate mediator, and an end effector. Each of these steps in is now its own intense area of investigation. The need to render the heart ischemic for a brief period to invoke the preconditioning response is currently the major factor limiting clinical application of this powerful cardioprotective strategy. Recent research efforts have utilized brief exposures to pharmacological agents, in lieu of a brief preconditioning ischemia, to trigger/mimic the ischemic preconditioning-induced response. The World Heart Congress held in Winnipeg in July 2001 provided a forum for the presentation of new insights into the basic mechanisms of ischemia and reperfusion injury, as well as novel strategies to protect the heart from cell death, ventricular arrhythmias, and contractile dysfunction. Many pioneers in the fields of ischemia-reperfusion injury and preconditioning-induced protection presented there and the chapters in this book represent selected papers from these symposia.

Thomas Register of American Manufacturers and Thomas Register Catalog File Springer

An important consideration for energy-efficient buildings is their primary energy requirements over the entire life cycle. How to determine this? What integrative factors influence the performance of a healthy and sustainable building? This, while it may be important for clients and architects to know, is frequently not very transparent. This book has been written to assist with clarifying target criteria and expanding horizons when it comes to ecological buildings. It is meant as a handbook and source of reference for clients, architects, planners and building operators, to provide them with pertinent information about their design, construction and operation: how to do this in the most energy-

efficient and economical manner? Also, there is feedback and documentation about prominent buildings like the Hamburg Dockland or the Landesbank Baden-Wuerttemberg in Stuttgart. They provide excellent architectural examples for detailed construction and design solutions. Further, there are insightful interviews with architects and clients about many important buildings, which help turn this book into an integrated source of reference for sustainable architecture. - A Guideline for Planning, Construction and Operation of sustainable Buildings - A source of reference for clients, architects, planners and building operators - Innovative architectural examples with sustainable concepts and design

Plant-microbe Interactions 2 Hemisphere Pub

Clostridia have a high biotechnological potential, although they are generally still regarded more as a group of pathogenic microorganisms. They undertake a broad variety of biocatalytic reactions some of which are unique and of use in the chemical and biotechnology industry for the production of chemicals or for biopharmaceutical purposes. Even some of the clostridial toxins are of medical relevance and can be used as therapeutic agents; The book presents the biology, physiology, and genetics, including genome projects of Clostridia and highlights their potential for industrial and medical applications. It is mostly based on research during the last decade which has brought significant progress in the field and outlines future perspectives of industrial interest.

Annual Report of the Federal Deposit Insurance Corporation for the Year Ending ... Taylor & Francis

Our responses to our thermal environment have a considerable effect on our performance and behavior, not least in the realm of work. There has been considerable scientific investigation of these responses and formal methods have been developed for environmental evaluation and design. In recent years these have been developed to the extent that detailed national and international standards of practice have now become feasible. This new edition of Ken Parson's definitive text brings us back up to date. He covers hot, moderate and cold environments, and defines these in terms of six basic parameters: air temperature, radiate temperature, humidity, air velocity, clothing worn, and the person's activity. There is a focus on the principles and practice of human response, which incorporates psychology, physiology and environmental physics with applied ergonomics. Water requirements, computer modeling and computer-aided design are brought in, as are current standards. Special populations, such as the aged or disabled and specialist environments such as those found in vehicles are also considered. This book continues to be the standard text for the design of environments for humans to live and work safely, comfortably and effectively, and for the design of materials which help the same people cope with their environments.

Encyclopedic Handbook of Emulsion Technology John Wiley & Sons

A new edition of a classic title, featuring updated and additional material to reflect today's competitive work environments, contributed by a team of international experts. Essential for anyone involved in the design, management and use of work places, this is a critical multidisciplinary review of the factors affecting productivity, as well as a practical solutions manual for common problems and issues.

Scientific and Technical Aerospace Reports Springer Science & Business Media

The new series "Microbiology Monographs" begins with two volumes on intracellular components in prokaryotes. In this first volume, "Inclusions in Prokaryotes", the components, labeled inclusions, are defined as discrete bodies resulting from synthesis of a metabolic product. Research on the biosynthesis and reutilization of the accumulated materials is still in progress, and

interest in the inclusions is growing. This comprehensive volume provides historical background and comprehensive reviews of eight well-known prokaryotic inclusions.

Phenology: An Integrative Environmental Science CRC Press
Plant-Microbe Interactions, Volume 2 Volume 1 of this series has made its appearance and dealt forcefully with important current topics in the field of plant-microbe interactions. We believe that the quality of those chapters was high and should serve as a focal point for the state of the art as well as an enduring reference.

Volume 2 builds upon these accomplishments. Chapter 1 discusses the fascinating lipo-chitin signal molecules from *Rhizobium*, aspects regarding their biosynthesis, and the basis for host specificity. These molecules are a cardinal example of how microorganisms influence plant development and stimulate speculation that they have identified a previously unknown aspect of plant hormone activity. Chapter 2 continues the discussion of *Rhizobium* by considering the trafficking of carbon and nitrogen in nodules. Although the ostensible advantage of nodules to plants is the fixation of atmospheric nitrogen, the actual process involved in supplying reduced nitrogen to the plant host is complex.

Pathways to Modern Chemical Physics Ubiquity Press

This standard specifies the general safety requirements for rock drilling machines and pneumatic tools during design, manufacture, use, maintenance. This standard applies to rock drilling machines powered by pneumatic, electric, hydraulic or internal combustion, tools and machines driven by compressed air, non-electrically driven power tools and auxiliary equipment (hereinafter referred to as products or machines).

Federal Register CRC Press

This Standard specifies general rules and safety requirements for hydraulic systems and their components used on machinery as defined by 3.1 in GB/T 15706-2012. This Standard deals with all significant hazards associated with hydraulic systems and specifies the principles to avoid those hazards when the systems are put to their intended use.

Ergonomics of the Thermal Environment CRC Press

Providing a methodology for evaluating indoor thermal comfort with a focus on children, this book presents an in-depth examination of children's perceptions of comfort. Divided into two sections, it first presents a history of thermal comfort, the human body and environmental parameters, common thermal comfort indexes, and guidelines for creating questionnaires to assess children's perceptions of indoor thermal comfort. It then describes their understanding of the concepts of comfort and energy, and the factors that influence that perception. In this context, it takes into account the psychological and pedagogical aspects of thermal comfort judgment, as well as architectural and environmental characteristics and equips readers with the knowledge needed to effectively investigate children's perspectives on environmental ergonomics. The research field of indoor thermal comfort adopts, on the one hand, physical parameter measurements and comfort indexes (e.g. Predicted Mean Vote (PMV) or adaptive comfort), and on the other, an ergonomic assessment in the form of questionnaires. However the latter can offer only limited insights into the issue of comfort, as children often use different terms than adults to convey their experience of thermal comfort. The book aims to address this lack of understanding with regard to children's perceptions of indoor thermal comfort. The book is intended for HVAC engineers and researchers, architects and researchers interested in thermal comfort and the built environment. It also provides a useful resource for environmental psychologists, medical and cognitive researchers.

Inclusions in Prokaryotes Springer Science & Business Media

Phenology is the study of plant and animal life cycle events, which are triggered by environmental changes, especially temperature. Wide ranges of phenomena are included, from first openings of

leaf and flower buds, to insect hatchings and return of birds. Each one gives a ready measure of the environment as viewed by the associated organism. Thus, phenological events are ideal indicators of the impact of local and global changes in weather and climate on the earth's biosphere. Assessing our changing world is a complex task that requires close cooperation from experts in biology, climatology, ecology, geography, oceanography, remote sensing and other areas. This book is a synthesis of current phenological knowledge, designed as a primer on the field for global change and general scientists, students and interested members of the public. With contributions from a diverse group of over fifty phenological experts, covering data collection, current research, methods and applications, it demonstrates the accomplishments and potential of phenology as an integrative environmental science.

Heat Transfer <https://www.chinesestandard.net>

Die vorliegende Arbeit stellt die Möglichkeit der Erhöhung des nutzbaren Flusssdichtehubs von weichmagnetischen Materialien in Speicherdrosseln durch die permanentmagnetische Vormagnetisierung dar. Die Arbeit beinhaltet eine kurze Zusammenfassung von Literatur zur permanentmagnetischen Vormagnetisierung, u. a. zurückreichend bis in das Jahr 1887. In darauf folgenden Abschnitten werden analytische und numerische Berechnungsmethoden vorgestellt und verschiedene Aspekte zur geometrischen Anordnung und dem Schutz und der Auswahl hartmagnetischer Materialien diskutiert. Es wird außerdem auf die Langzeitstabilität bzw. die Degradierung des hartmagnetischen Materials in vormagnetisierten Speicherdrosseln und die daraus resultierenden Auswirkungen auf ihre Charakteristik eingegangen. Zusätzlich sind Beschleunigungsfaktoren dargestellt, die die Anwendung von Belastungsprofilen zur messtechnischen Überprüfung der Lebensdauer permanentmagnetisch vormagnetisierter Speicherdrosseln ermöglichen. Neben Wirkungsgradmessungen von DC/DC-Wandlern mit permanentmagnetisch vormagnetisierten Speicherdrosseln sind weitere Anwendungen, z.B. diverse Wechselrichtertopologien, dargestellt.

Safety and Health in the Use of Machinery Springer Science & Business Media

In this historical volume Salvatore Califano traces the developments of ideas and theories in physical and theoretical chemistry throughout the 20th century. This seldom-told narrative provides details of topics from thermodynamics to atomic structure, radioactivity and quantum chemistry. Califano's expertise as a physical chemist allows him to judge the historical developments from the point of view of modern chemistry. This detailed and unique historical narrative is fascinating for chemists working in the fields of physical chemistry and is also a useful resource for science historians who will enjoy access to material not previously dealt with in a coherent way.

Digital Papyrology II <https://www.codeofchina.com>

Lists citations with abstracts for aerospace related reports obtained from world wide sources and announces documents that have recently been entered into the NASA Scientific and Technical Information Database.

Principles of Animal Biometeorology Springer Science & Business Media

This book is written for professionals in developing countries, for occupational safety and health specialists, production engineers, managers and trade union representatives. The book links occupational safety and health with production and productivity, showing the positive relationship between good and safe working conditions and sustainable high productivity. The book makes use of research results, and is intended to be used in connection with training activities, but does not concentrate on research or training. The focus is action for change to eliminate or reduce risks at workplaces.

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