

Space Gass Reference Manual

Concise discussions of the lives and personal works of American writers, thinkers, and cultural figures, written by subject experts.

"This guidebook is a practical and essential tool providing everything necessary for structural design engineers to create detailed and accurate calculations. Basic information is provided for steel, concrete and geotechnical design in accordance with Australian and international standards. Detailed design items are also provided, especially relevant to the mining and oil and gas industries. Examples include pipe supports, lifting analysis and dynamic machine foundation design. Steel theory is presented with information on fabrication, transportation and costing, along with member, connection, and anchor design. Concrete design includes information on construction costs, as well as detailed calculations ranging from a simple beam design to the manual production of circular column interaction diagrams. For geotechnics, simple guidance is given on the manual production and code compliance of calculations for items such as pad footings, piles, retaining walls, and slabs. Each chapter also includes recommended drafting details to aid in the creation of design drawings. More generally, highly useful aids for design engineers include section calculations and force diagrams. Capacity tables cover real-world items such as various slab thicknesses with a range of reinforcing options, commonly used steel sections, and lifting lug capacities. Calculations are given for wind, seismic, vehicular, piping, and other loads. User guides are included for Space Gass and Strand7, including a non-linear analysis example for lifting lug design. Users are also directed to popular vendor catalogues to acquire commonly used items, such as steel sections, handrails, grating, grous and lifting devices."-- Provided by publisher. The Oxford Handbook of Applied Linguistics contains forty original chapters on a broad range of topics in applied linguistics by a diverse group of contributors. Its goal is to provide a comprehensive survey of the current state of the field, the many connections among its varioussub-disciplines, and the likely directions of its future development. The Oxford Handbook of Applied Linguistics addresses a broad audience: applied linguists; educators and other scholars working in language acquisition, language learning, language planning, teaching, and testing; and linguistsconcerned with applications of their work. Early applied linguistics was predominantly associated with language-teaching. While this relationship continues, the field has long since diversified, becoming increasingly inter-related and multi-disciplinary. The volume addresses the diversity of questions facing applied linguists today: What isthe place of applied linguistics in the architecture of the university? Where does applied linguistics fit into the sociology of knowledge? What are the questions that applied linguistics ought to be addressing? What are the dominant paradigms guiding research in the field? What kinds of problemscan be solved through the mediation of applied linguistics? What aspects of linguistics can be empirically applied to language-based problems, and what spaces resist such application? What will new students of applied linguistics need to know in the coming years? Systematically encompassing the major areas of applied linguistics-and drawing from a wide range of disciplines such as education, language policy, bi- and multi-lingualism, literacy, language and gender, psycholinguistics/cognition, language and computers, discourse analysis, language andconcordinances, ecology of language, pragmatics, translation, psycholinguistics and cognition, and many other fields-the editors and contributors to The Oxford Handbook of Applied Linguistics provide a panoramic and comprehensive look at this complex and vigorous field. This second edition includes three new chapters, and the remaining chapters have been thoroughly revised and updated to give a clear picture of the current state of applied linguistics.

A Guide to Structural Engineering on a Multidiscipline Project

Scientific and Technical Aerospace Reports

Fourth International Conference on Current and Future Trends in Bridge Design, Construction and Maintenance

Challenging Glass 3

Understanding William H. Gass

Effective risk communication is essential to the well-being of any organization and those people who depend on it. Ineffective communication can cost lives, money and reputations. Communicating Risks and Benefits: An Evidence-Based User's Guide provides the scientific foundations for effective communications. The book authoritatively summarizes the relevant research, draws out its implications for communication design, and provides practical ways to evaluate and improve communications for any decision involving risks and benefits. Topics include the communication of quantitative information and warnings, the roles of emotion and the news media, the effects of age and literacy, and tests of how well communications meet the organization's goals. The guide will help users in any organization, with any budget, to make the science of their communications as sound as the science that they are communicating.

Operations Research: 1934-1941," 35, 1, 143-152; "British The goal of the Encyclopedia of Operations Research and Operational Research in World War II," 35, 3, 453-470; Management Science is to provide to decision makers and "U. S. Operations Research in World War II," 35, 6, 910-925; problem solvers in business, industry, government and and the 1984 article by Harold Lardner that appeared in academia a comprehensive overview of the wide range of Operations Research: "The Origin of Operational Research," ideas, methodologies, and synergistic forces that combine to 32, 2, 465-475, form the preeminent decision-aiding fields of operations re search and management science (OR/MS). To this end, we The Encyclopedia contains no entries that define the fields enlisted a distinguished international group of academics of operations research and management science. OR and MS and practitioners to contribute articles on subjects for are often equated to one another. If one defines them by the which they are renowned, methodologies they employ, the equation would probably The editors, working with the Encyclopedia's Editorial stand inspection. If one defines them by their historical Advisory Board, surveyed and divided OR/MS into specific developments and the classes of problems they encompass, topics that collectively encompass the foundations, applica the equation becomes fuzzy. The formalism OR grew out of tions, and emerging elements of this ever-changing field. We the operational problems of the British and U. s. military also wanted to establish the close associations that OR/MS efforts in World War II.

This volume brings together ten contributions to the study of untutored (mainly) second but also first language acquisition. All chapters have been written from a functionalist perspective and take as the main theoretical framework a model of spontaneous second language acquisition centered on the "basic variety" as proposed by Klein and Perdue. The chapters in the volume are grouped around two research themes. The first theme concerns the acquisition of scope phenomena (negation, scope particles), the second one deals with referential movement (reference to person, time and space). Both parts provide insights in the structure of learner varieties at various stages of development, and are followed by a discussion chapter. Scope phenomena, such as negation and frequency adverbials present an important learning problem, as learners have to reconcile the logical structure of their utterances with the syntactic specifics of the language being learned. Their acquisition has been relatively neglected in studies up to date, however, and we even lack detailed knowledge about the interpretation of scope particles in the target languages. The chapters in this part of the volume set out to provide more knowledge about scope phenomena in general; more detailed descriptions of the particles in the languages under consideration; and a more general understanding of how scope is acquired. Strong findings resulting from the "ESF" project suggested universal trends in how untutored learners deal with acquisition in the very early stages (the basic variety). Chapters in this second part of the volume on referential movement look at acquisition at more advanced stages, including the production of near native speakers. Learners who progress beyond the basic variety increasingly grammaticalise their productions. This later development is supposedly more variable, as more specific aspects of the target languages are now being acquired. Chapters in this part allow to shed more light on the question regarding universal and language-specific influences on language acquisition.

Index to the Monthly Issues

Homelessness: A Documentary and Reference Guide

Energy Research Abstracts

SPACE GASS Reference Manual, Version 6.0

Reference Guide to American Literature

There are two things everybody knows about glass: it is transparent, and it breaks! These are also the properties that constitute the challenge of glass as an architectural and structural material. This book presents papers from the third Challenging Glass Conference (CGC3), held at the Technical University (TU) Delft, the Netherlands, in June 2012. The conference brings together glass engineering, research and design specialists. Papers are grouped under seven topic headings: project and case studies; joints, fixings and adhesives; strength, stability and safety; composite design; curved and bended glass; architectural design and lighting and finally, glass in facades. Glass remains one of the most exciting materials available to designers and architects today. This book will be of interest to all those involved in working with glass in an architectural and structural context.

Book Catalog of the Library and Information Services Division. Author-title-series indexes Computational Mechanics - New Frontiers for the New Millennium Engineers Australia The Oxford Handbook of Applied Linguistics An Evidence Based User's Guide Book Catalog of the Library and Information Services Division. Author-title-series indexes Computational Mechanics - New Frontiers for the New Millennium Engineers Australia

The behaviour of steel structures and the criteria used in their design are set out in detail in this book. The book bridges the gap between the methods of analysis and the sizing of structural components. The basis of the limit state design criteria of the latest Australian code for structural steel are explained, and the reader is pointed to the relevant provisions of the code. Included in this volume are a selection of papers on computing and structural engineering. The papers were presented at the Fifth International Conference on Civil and Structural Engineering held 17-19 August 1993, Edinburgh.

This is a state-of-the-art reference, an exchange of innovative experience, creative thinking and industry forecasts. This volume presents the proceedings of the fourth international conference in this series based in the Asia Pacific region, in Kuala Lumpur in October 2005 and is applicable to all sectors of the bridge engineering community. BACKGROUND KNOWLEDGE AND FUTURE PERFORMANCE The Institution of Civil Engineers has collaborated with internationally renowned bridge engineers to organise three successful conferences to celebrate the enormous achievements made in the field of bridge engineering in recent years. As a discipline, bridge engineering not only requires knowledge and experience of bridge design and construction techniques but must also deal with increasing challenges posed by the need to maintain the long-term performance of structures throughout an extended service life. In many parts of the world natural phenomena such as seismic events can cause significant damage to force major repairs or reconstruction. Therefore, it is appropriate that the first plenary session of this conference is entitled Engineering for Seismic Performance. READERSHIP This compilation of papers will benefit practising civil and structural engineers in consulting firms and government agencies, bridge contractors, research institutes, universities and colleges. In short, it is of importance to all engineers involved in any aspect of the design, construction and repair, maintenance and refurbishment of bridges.

Conference on Architectural and Structural Applications of Glass

Underwater Acoustic Modeling and Simulation

Australian, Third Edition

Vladimir Nabokov, a Reference Guide

Monthly Catalog of United States Government Publications

While agreeing with critics who label Gass's novels and stories metafiction, he contends that to stop the exploration there would be to miss a complete appreciation of the novelist. Hix demonstrates instead how Gass's writings both break and follow tradition - as metafiction belonging to the company of works by John Barth but also as moral fiction belonging to the long American tradition that includes The Scarlet Letter and To Kill a Mockingbird."--BOOK JACKET.

An overview of the rapidly growing field of ant colony optimization that describes theoretical findings, the major algorithms, and current applications. The complex social behaviors of ants have been much studied by science, and computer scientists are now finding that these behavior patterns can provide models for solving difficult combinatorial optimization problems. The attempt to develop algorithms inspired by one aspect of ant behavior, the ability to find what computer scientists would call shortest paths, has become the field of ant colony optimization (ACO), the most successful and widely recognized algorithmic technique based on ant behavior. This book presents an overview of this rapidly growing field, from its theoretical inception to practical applications, including descriptions of many available ACO algorithms and their uses. The book first describes the translation of observed ant behavior into working optimization algorithms. The ant colony metaheuristic is then introduced and viewed in the general context of combinatorial optimization.

This is followed by a detailed description and guide to all major ACO algorithms and a report on current theoretical findings. The book surveys ACO applications now in use, including routing, assignment, scheduling, subset, machine learning, and bioinformatics problems. AntNet, an ACO algorithm designed for the network routing problem, is described in detail. The authors conclude by summarizing the progress in the field and outlining future research directions. Each chapter ends with bibliographic material, bullet points setting out important ideas covered in the chapter, and exercises. Ant Colony Optimization will be of interest to academic and industry researchers, graduate students, and practitioners who wish to learn how to implement ACO algorithms.

This book presents an unflinching investigation of homelessness in the United States—a problem that has been with us since the arrival of the first English settlers nearly 400 years ago. • Primary documents, including government reports, selections from novels, historical photographs, personal reminiscences, and more • Dozens of illustrative photographs • Subject-specific bibliographies • A guide to relevant reference materials

Principles, techniques and applications, Second Edition

Ant Colony Optimization

A Reference Book of Rules, Tables, Data, and Formulae, for the Use of Engineers, Mechanics, and Students

NASA Scientific and Technical Publications

Developments in Structural Engineering Computing

A prominent linchpin in world politics and in security policies world over, oil and gas have tremendous value in both, the political and economical sectors of global relations, business establishments and policy. Regardless of whether one is a novice to a given field, or a well accomplished veteran in the field, there is a need for the continued engagement with the basics that underlie the core subjects. With that in mind, the Fundamentals of Oil and Gas is a perfect primer for the first-timer in the field, while also a copious text to help a seasoned veteran stay abreast with the nuances of the world of Oil and Gas. Underwater Acoustic Modeling provides the only comprehensive source on how to translate our physical understanding of sound in the sea into mathematical formulas solvable by computers.

From one of the most admired essayists and novelists at work today: a new collection of essays—his first since Tests of Time, winner of the National Book Critics Circle Award for Criticism. These twenty-five essays speak to the nature and value of writing and to the books that result from a deep commitment to the word. Here is Gass on Rilke and Gertrude Stein; on friends such as Stanley Elkin, Robert Coover, and William Gaddis; and on a company of "healthy dissidents," among them Rabelais, Elias Canetti, John Hawkes, and Gabriel Garcia Márquez. In the title essay, Gass offers an annotated list of the fifty books that have most influenced his thinking and his work and writes about his first reaction to reading each. Among the books: Ludwig Wittgenstein's Tractatus Logico-Philosophicus ("A lightning bolt," Gass writes. "Philosophy was not dead after all. Philosophical ambitions were not extinguished. Philosophical beauty had not fled prose.") . . . Ben Jonson's The Alchemist ("A man after my own heart. He is capable of the simplest lyrical stroke, as bold and direct as a line by Matisse, but he can be complex in a manner that could cast Nabokov in the shade . . . Shakespeare may have been smarter, but he did not know as much.") . . . Gustave Flaubert's letters ("Here I learned—and learned—and learned.") And after reading Malory's Le Morte d'Arthur, Gass writes "I began to eat books like an alien worm." In the concluding essay, "Evil," Gass enlarges upon the themes of artistic quality and cultural values that are central to the books he has considered, many of which seek to reveal the worst in people while admiring what they do best. As Gass writes, "The true alchemists do not change lead into gold, they change the world into words." A Temple of Texts is Gass at his most alchemical.

Microcomputer Software Directory

Monthly Catalogue, United States Public Documents

International Ultraviolet Explorer (IUE) NASA Newsletter

Monthly Catalog of United States Government Publications, Cumulative Index

Computational Gasdynamics

SPACE GASS Reference Manual, Version 6.0SPACE GASS Reference Manual, Version 8.0Fourth International Conference on Current and Future Trends in Bridge Design, Construction and MaintenanceProceedings of the 4th International Conference Organised on Behalf of the Structural and Buildings Board of the Institution of Civil Engineers, and Held in Kuala Lumpur, Malaysia, 10-11 October 2005Thomas Telford

These Proceedings contain the papers presented at the 1stAsian Pacific Congress on Computational Mechanics held in Sydney, on 20-23 November 2001. The theme of the first Congress of the Asian-Pacific Association for Computational Mechanics in the new millennium is New Frontiers for the New Millennium. The papers cover such new frontiers as micromechanics, contact mechanics, environmental geomechanics, chemo-thermo-mechanics, inverse techniques, homogenization, meshless methods, smart materials/smart structures and graphic visualization, besides the general topics related to the application of finite element and boundary element methods in structural mechanics, fluid mechanics, geomechanics and biomechanics.

Numerical methods are indispensable tools in the analysis of complex fluid flows. This book focuses on computational techniques for high-speed gas flows, especially gas flows containing shocks and other steep gradients. The book decomposes complicated numerical methods into simple modular parts, showing how each part fits and how each method relates to or differs from others. The text begins with a review of gasdynamics and computational techniques. Next come basic principles of computational gasdynamics. The last two parts cover basic techniques and advanced techniques. Senior and graduate level students, especially in aerospace engineering, as well as researchers and practising engineers, will find a wealth of invaluable information on high-speed gas flows in this text.

Encyclopedia of Operations Research and Management Science

Australian Guidebook for Structural Engineers

Fundamentals of Oil & Gas Industry for Beginners

Proceedings of the 4th International Conference Organised on Behalf of the Structural and Buildings Board of the Institution of Civil Engineers, and Held in Kuala Lumpur, Malaysia, 10-11 October 2005

Mechanics of Structures and Materials

This guidebook is a practical and essential tool providing everything necessary for structural design engineers to create detailed and accurate calculations. Basic information is provided for steel, concrete and geotechnical design in accordance with Australian and international standards. Detailed design items are also provided, especially relevant to the mining and oil and gas industries. Examples include pipe supports, lifting analysis and dynamic machine foundation design. Steel theory is presented with information on fabrication, transportation and costing, along with member, connection, and anchor design. Concrete design includes information on construction costs, as well as detailed calculations ranging from a simple beam design to the manual production of circular column interaction diagrams. For geotechnics, simple guidance is given on the manual production and code compliance of calculations for items such as pad footings, piles, retaining walls, and slabs. Each chapter also includes recommended drafting details to aid in the creation of design drawings. More generally, highly useful aids for design engineers include section calculations and force diagrams. Capacity tables cover real-world items such as various slab thicknesses with a range of reinforcing options, commonly used steel sections, and lifting lug capacities. Calculations are given for wind, seismic, vehicular, piping, and other loads. User guides are included for Space Gass and Strand7, including a non-linear analysis example for lifting lug design. Users are also directed to popular vendor catalogues to acquire commonly used items, such as steel sections, handrails, grating, grous and lifting devices. This guidebook supports practicing engineers in the development of detailed designs and refinement of their engineering skill and knowledge.

This newest edition adds new material to all chapters, especially in mathematical propagation models and special applications and inverse techniques. It has updated environmental-acoustic data in companion tables and core summary tables with the latest underwater acoustic propagation, noise, reverberation, and sonar performance models. Additionally, the text discusses new applications including underwater acoustic networks and channel models, marine-hydrokinetic energy devices, and simulation of anthropogenic sound sources. It further includes instructive case studies to demonstrate applications in sonar simulation.

This disturbing, thorough study of literary suicide in the twentieth century is an epoch-making book, sad but generously expansive: a book we have always needed. - Paul West, from the ForewordSome of the greatest writers in the history of the art-Hart Crane, Ernest Hemingway, Jerzy Kosinski, Sylvia Plath, Anne Sexton, and Virginia Woolf-all chose to silence themselves by suicide, leaving their families and friends with heartbreak and the world of literature with gaping holes. Their reasons for killing themselves, when known, were varied and, quite often, unreasonable. Some were plagued by depression or self-doubt, and others by frustration and helplessness in a world they could neither change nor tolerate.Profoundly moving and morbidly attractive, Final Drafts is a necessary historical record, biographical treatment, and psychological examination of the authors who left this cruel world by their own hands, either instantly or over long periods of relentless destructive behavior. It is also a devoted examination of references to suicide in literature, both by those who took their own lives and those who decided to live. Mark Seinfeld has selected many well-known (mostly fiction) writers, from those whose work dates to over a century ago-when the medical community was ill-equipped to deal with substance abuse and depression-to more recent writers such as Kosinski, Michael Dorris, and Eugene Izzl, who have left a puzzled literary o with a sad legacy.Seinfeld reveals that many authors contemplated ending their lives in their work: were obsessed with destroying themselves; were unable-in the case of the Holocaust-to live with the fact that their contemporaries had been killed; believed death to be a freedom from the horrors that forced them to create; and, sometimes, were simply unable to withstand rejection or criticism of their work.Other noted authors discussed in this volume include John Berryman, An Bierce, Harry Crosby, John Davidson, William Inge, Randall Jarrell, Arthur Koestler, T.E. Lawrence, Primo Levi, Jack London, Jay Anthony Lukas, Tom McHale, Yukio Mishima, Henry de Montherlant, Seth Morgan, George Sterling, Sara Teasdale, Ernst Toller, John Kennedy Toole, Sergey Yesenin, and many others.A recipient of the prestigious Henry Sams Memorial Award from Pennsylvania State University, Mark Seinfeld (Phillipsburg, PA) received a master's degree in writing from Washington University where he also earned a fellowship.

The Structure of Learner Varieties

Communicating Risks and Benefits

Behaviour and Design of Steel Structures to AS4100

SPACE GASS Reference Manual, Version 8.0

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