

Handbook Of Concrete Engineering Mark Fintel

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Methodologies in Semantic Fieldwork M. Ryan Bochnak 2015 This volume discusses methodological issues in conducting elicitation on semantic topics in a fieldwork situation. In twelve chapters discussing 11 language families from four continents, authors draw on their own fieldwork experience, pairing explicit methodological proposals with concrete examples of their use in the field. Several chapters cover issues specific to semantic topics such as modality, comparison, tense and aspect, and definiteness, while others focus on elicitation techniques more generally, addressing methodological issues such as the creation of elicitation plans, the choice of language in which to conduct elicitation, and the status of translation tasks. Together, the chapters of this volume demonstrate that elicitation on semantic topics, when conducted following sound methodologies, can and does produce reliable results. Given the high number of languages currently classified as endangered, conducting one-on-one fieldwork with native speaker consultants is critical for gathering new empirical findings that bear on linguistic theory.

Advanced Concrete Technology Zongjin Li 2011-01-11 Over the past two decades concrete has enjoyed a renewed level of research and testing, resulting in the development of many new types of concrete. Through the use of various additives, production techniques and chemical processes, there is now a great degree of control over the properties of specific concretes for a wide range of applications. New theories, models and testing techniques have also been developed to push the envelope of concrete as a building material. There is no current textbook which brings all of these advancements together in a single volume. This book aims to bridge the gap between the traditional concrete technologies and the emerging state-of-the-art technologies which are gaining wider use.

Tall Buildings Mehmet Halis Günel 2014-06-27 The structural challenges of building 800 metres into the sky are substantial, and include several factors which do not affect low-rise construction. This book focusses on these areas specifically to provide the architectural and structural knowledge which must be taken into account in order to design tall buildings successfully. In presenting examples of steel, reinforced concrete, and composite structural systems for such buildings, it is shown that wind load has a very important effect on the architectural and structural design. The aerodynamic approach to tall buildings is considered in this context, as is earthquake induced lateral loading. Case studies of some of the world's most iconic buildings, illustrated with full colour photographs, structural plans and axonometrics, will bring to life the design challenges which they presented to architects and structural engineers. The Empire State Building, the Burj Khalifa, Taipei 101 and the HSB Turning Torso are just a few examples of the buildings whose real-life specifications are used to explain and illustrate core design principles, and their subsequent effect on the finished structure.

Expansion Joints in Buildings National Research Council 1974-02-01 Many factors affect the amount of temperature-induced movement that occurs in a building and the extent to which this movement can occur before serious damage develops or extensive maintenance is required. In some cases joints are being omitted where they are needed, creating a risk of structural failures or causing unnecessary operations and maintenance costs. In other cases, expansion joints are being used where they are not required, increasing the initial cost of construction and creating space utilization problems. As of 1974, there were no nationally acceptable procedures for precise determination of the size and the location of expansion joints in buildings. Most designers and federal construction agencies individually adopted and developed guidelines based on experience and rough calculations leading to significant differences in the various guidelines used for locating and sizing

expansion joints. In response to this complex problem, Expansion Joints in Buildings: Technical Report No. 65 provides federal agencies with practical procedures for evaluating the need for through-building expansion joints in structural framing systems. The report offers guidelines and criteria to standardize the practice of expansion joints in buildings and decrease problems associated with the misuse of expansion joints. Expansion Joints in Buildings: Technical Report No. 65 also makes notable recommendations concerning expansion, isolation, joints, and the manner in which they permit separate segments of the structural frame to expand and to contract in response to temperature fluctuations without adversely affecting the buildings structural integrity or serviceability.

PCI Manual for the Design of Hollow Core Slabs Donald R. Buettner 1985

Graded Modality Daniel Lassiter 2017-06 This book explores graded expressions of modality, a rich and underexplored source of insight into modal semantics. Studies on modal language to date have largely focussed on a small and non-representative subset of expressions, namely modal auxiliaries such as must, might, and ought. Here, Daniel Lassiter argues that we should expand the conversation to include gradable modals such as more likely than, quite possible, and very good. He provides an introduction to qualitative and degree semantics for graded meaning, using the Representational Theory of Measurement to expose the complementarity between these apparently opposed perspectives on gradation. The volume explores and expands the typology of scales among English adjectives and uses the result to shed light on the meanings of a variety of epistemic and deontic modals. It also demonstrates that modality is deeply intertwined with probability and expected value, connecting modal semantics with the cognitive science of uncertainty and choice.

Handbook of Concrete Engineering Mark Fintel 1985-03-31

Innovative Shear Design Hrista Stamenkovic 2003-09-02 Innovative Shear Design presents a new, rational and economical design procedure that offers increased protection against shear for all types of structures. The first part of the book describes the internal forces imposed on any flexurally bent member, and goes on to describe how these can interact with external loading forces to cause failure. The author then details the new design approach, and explains how its implementation can prevent cracking and failure for a given load. The book contains numerous practical examples describing optimum design techniques for all types of structure. Innovative Shear Design is an essential reference for structural designers, architects, academics, and researchers. It will also be a key reference text for students of structural design.

Reinforced Concrete Design S. U. Pillai 1988-01-01

Formal approaches to number in Slavic and beyond Mojmir Do?ekal The goal of this collective monograph is to explore the relationship between the cognitive notion of number and various grammatical devices expressing this concept in natural language with a special focus on Slavic. The book aims at investigating different morphosyntactic and semantic categories including plurality and number-marking, individuation and countability, cumulativity, distributivity and collectivity, numerals, numeral modifiers and classifiers, as well as other quantifiers. It gathers 19 contributions tackling the main themes from different theoretical and methodological perspectives in order to contribute to our understanding of cross-linguistic patterns both in Slavic and non-Slavic languages.

Advanced Geotechnical Engineering Chandrakant S. Desai 2013-11-27 Soil-structure interaction is an area of major importance in geotechnical engineering and geomechanics Advanced Geotechnical Engineering: Soil-Structure Interaction using Computer and Material Models covers computer and analytical methods for a number of geotechnical problems. It introduces the main factors important to the application of computer

Scientific and Technical Information Resources Subramanyam 1981-03-01 This book focuses on current practices in scientific and technical communication, historical aspects, and characteristics and biblio-graphic control of various forms of scientific and technical literature. It integrates the inventory approach for scientific and technical communication.

Tentative Provisions for the Development of Seismic Regulations for Buildings Applied Technology Council 1978

Handbook of Structural Engineering W.F. Chen 2005-02-28 Continuing the tradition of the best-selling Handbook of Structural Engineering, this second edition is a comprehensive reference to the broad spectrum of structural engineering, encapsulating the theoretical, practical, and computational aspects of the field. The authors address a myriad of topics, covering both traditional and innovative approaches to analysis, design, and rehabilitation. The second edition has been expanded and reorganized to be more informative and cohesive. It also follows the developments that have emerged in the field since the previous edition, such as advanced analysis for structural design, performance-based design of earthquake-resistant structures, lifecycle evaluation and condition assessment of existing structures, the use of high-performance materials for construction, and design for safety. Additionally, the book includes numerous tables, charts, and equations, as well as extensive references, reading lists, and websites for further study or more in-depth information. Emphasizing practical applications and easy implementation, this text reflects

the increasingly global nature of engineering, compiling the efforts of an international panel of experts from industry and academia. This is a necessity for anyone studying or practicing in the field of structural engineering. New to this edition Fundamental theories of structural dynamics Advanced analysis Wind and earthquake-resistant design Design of prestressed concrete, masonry, timber, and glass structures Properties, behavior, and use of high-performance steel, concrete, and fiber-reinforced polymers Semirigid frame structures Structural bracing Structural design for fire safety

Engineered Concrete Irving Kett 2009-12-23 As every civil engineer knows, Portland Cement is the most versatile and important material of construction, and will probably remain so far into the future. Yet few books, if any, exist that offer an in-depth analysis of the mixing and testing methods of this vital hydraulic cement. This statement, written about the first edition of Engineere

Precast Concrete Handbook National Precast Concrete Association Australia 2002 This book "is neither a standard nor a textbook, but rather a reference document recommending good practice in precast construction to designers, engineers, architects, builders and students. It provides guidance for those involved in the design, specification, manufacture and installation of precast concrete." -- page iii.

Earthquake Resistant Engineering Structures VII M. Phocas 2009-04-23 Based on the proceedings of the Seventh International Conference on Earthquake Resistant Engineering Structures (ERES), this book presents basic and applied research in the main fields of engineering relevant to earthquake resistant analysis and design of structural systems.

Deontic Modality Nate Charlow 2016-09-06 An extraordinary amount of recent work by philosophers of language, meta-ethicists, and semanticists has focused on the meaning and function of language expressing concepts having to do with what is allowed, forbidden, required, or obligatory, in view of the requirements of morality, the law, one's preferences or goals, or what an authority has commanded: in short, deontic modality. This volume presents new work on the much-discussed topic of deontic modality by leading figures in the philosophy of language, meta-ethics, and linguistic semantics. The papers tackle issues about the place of decision and probability theory in the semantics of deontic modality, the viability of standard possible worlds treatments of the truth conditions of deontic modal sentences, the possibility of dynamic semantic treatments of deontic modality, the methodology of semantics for deontic modals, and the prospects for representationalist, expressivist, and inferentialist treatments of deontic modality.

Modern Prestressed Concrete James R. Libby 1990-11-30 This book was written with a dual purpose, as a reference book for practicing engineers and as a textbook for students of prestressed concrete. It represents the fifth generation of books on this subject written by its author. Significant additions and revisions have been made in this edition. Chapters 2 and 3 contain new material intended to assist the engineer in understanding factors affecting the time-dependent properties of the reinforcement and concrete used in prestressing concrete, as well as to facilitate the evaluation of their effects on prestress loss and deflection. Flexural strength, shear strength, and bond of prestressed concrete members were treated in a single chapter in the of flexural strength has third edition. Now, in the fourth edition, the treatment been expanded, with more emphasis on strain compatibility, and placed in Chapter 5 which is devoted to this subject alone. Chapter 6 of this edition, on flexural-shear strength, torsional strength, and bond of prestressed reinforcement, was expanded to include discussions of Compression Field Theory and torsion that were not treated in the earlier editions. In similar fashion, expanded discussions of loss of prestress, deflection, and partial prestressing now are presented separately, in Chapter 7. Minor additions and revisions have been made to the material contained in the remaining chapters with the exception of xv xvi I PREFACE Chapter 17. This chapter, which is devoted to construction considerations, has important new material on constructibility and tolerances as related to prestressed concrete.

Civil Engineering Manual United States. Coast Guard 1978

Design of Reinforced Concrete Jack C. McCormac 2005 Publisher Description

Structural Engineering Handbook Edwin Henry Gaylord 1979

Raft Foundation Design And Analysis With A Practical Approach Sharat Chandra Gupta 2007 Available Textbooks, Handbooks, Various Publications And Papers Give Widely Different Approaches For Design Of Raft Foundations. These Approaches Make Their Own Assumptions And Deal With Ideal Raft, Symmetrical In Shape And Loading. In Actual Practice Rafts Are Rarely So. A Structural Designer Engaged In The Design Of Raft Foundations Finds It Hard To Select The Method That Can Be Carried Out Within The Time And Cost Available For Design And Give Adequate Safety And Economy. This Book Covers Complete Design Of Raft Foundations Including Piled Rafts, Starting From Their Need, Type, All The Approaches Suggested So Far In Published Literature, Effect Of Assumptions Made And Values Of Variables Selected, On The Design Values Of Stresses, And Brings Out The Limitations Of These Approaches Using Actually Constructed Rafts. Results Of

Studies Carried Out By The Author Are Summarised And Final Recommendations Given. Solved Examples Are Included For Each Of The Methods Recommended. Comprehensive Treatment Of The Subject Makes The Book Helpful To The Design Engineers, Engineering Teachers, Students And Even Those Who Are Engaged In Further Research.

Concrete Structures R. F. Warner 1998 Concrete Structures provides an easy-to-understand, integrated and comprehensive treatment of the behaviour, analysis and design of reinforced concrete and prestressed concrete structures. Concrete Structures is the definitive Australia textbook on concrete structures for students and professionals.

Advanced Dam Engineering for Design, Construction, and Rehabilitation R.B. Jansen 1988-12-31 The present state of the art of dam engineering has been environmental, and political factors, which, though important, attained by a continuous search for new ideas and methods are covered in other publications. While incorporating the lessons of the past. In the last 20 The rapid progress in recent times has resulted from the years particularly there have been major innovations, due combined efforts of engineers and associated scientists, as largely to a concerted effort to blend the best of theory and exemplified by the authorities who have contributed to this practice. Accompanying these achievements, there has been book. These individuals have brought extensive knowledge a significant trend toward free interchange among the pro to the task, drawn from experience throughout the world. Professional disciplines, including open discussion of prob With the convergence of such distinguished talent, the opportunities and their solutions. The inseparable relationships of opportunity for accomplishment was substantial. I gratefully hydrology, geology, and seismology to engineering have acknowledge the generous cooperation of these writers, and been increasingly recognized in this field, where progress am indebted also to other persons and organizations that is founded on interdisciplinary cooperation. have allowed reference to their publications; and I have This book presents advances in dam engineering that attempted to acknowledge this obligation in the sections have been achieved in recent years or are under way. At where the material is used. These courtesies are deeply attention is given to practical aspects of design, construction, appreciated.

Inquisitive Semantics Ivano Ciardelli 2018-12-27 This is an open access title available under the terms of a CC BY-NC-ND 4.0 International licence. It is free to read at Oxford Scholarship Online and offered as a free PDF download from OUP and selected open access locations. This book presents a new logical framework to capture the meaning of sentences in conversation. The traditional approach equates meaning with truth-conditions: to know the meaning of a sentence is to know under which circumstances it is true. The reason for this is that linguistic and philosophical investigations are usually carried out in a logical framework that was originally designed to characterize valid argumentation. However, argumentation is neither the sole, nor the primary function of language. One task that language more widely and ordinarily fulfils is to enable the exchange of information between conversational participants. In the framework outlined in this volume, inquisitive semantics, information exchange is seen as a process of raising and resolving issues. Inquisitive semantics provides a new formal notion of meaning, which makes it possible to model various concepts that are crucial for the analysis of linguistic information exchange in a more refined and more principled way than has been possible in previous frameworks. Importantly, it also allows an integrated treatment of statements and questions. The first part of the book presents the framework in detail, while the second demonstrates its benefits in the semantic analysis of questions, coordination, modals, conditionals, and intonation. The book will be of interest to researchers and students from advanced undergraduate level upwards in the fields of semantics, pragmatics, philosophy of language, and logic.

Reinforced Concrete Designer's Handbook Charles Edward Reynolds 1976

Speech and Harm Ishani Maitra 2012-05-31 Most liberal societies are deeply committed to free speech, but there is evidence that some kinds of speech can be harmful in ways that are detrimental to important liberal values, such as social inequality. This volume draws on a range of approaches in order to explore the problem and determine what ought to be done about allegedly harmful speech.

Structural Design in Wood Judith Stalnaker 2013-03-07 The prime purpose of this book is to serve as a design is of considerable value in helping the classroom text for the engineering or architect student make the transition from the often sim ture student. It will, however, also be useful to plastic classroom exercises to problems of the designers who are already familiar with design real world. Problems for solution by the student in other materials (steel, concrete, masonry) but follow the same idea. The first problems in each need to strengthen, refresh, or update their capa subject are the usual textbook-type problems, bility to do structural design in wood. Design but in most chapters these are followed by prob principles for various structural materials are lems requiring the student to make structural similar, but there are significant differences. planning decisions as well. The student may be This book shows what they are. required, given a load source, to find the magni The book has features that the authors believe tude of the applied loads and decide upon a set it apart from other books on wood structural grade of wood. Given a floor plan, the student design. One of these is an abundance of solved may be required to determine a layout of struc examples. Another is its treatment of loads. This tural

members. The authors have used most of book will show how actual member loads are the problems in their classes, so the problems computed. The authors have found that students, have been tested.

Countering the Problem of Falsified and Substandard Drugs Institute of Medicine 2013-06-20 The adulteration and fraudulent manufacture of medicines is an old problem, vastly aggravated by modern manufacturing and trade. In the last decade, impotent antimicrobial drugs have compromised the treatment of many deadly diseases in poor countries. More recently, negligent production at a Massachusetts compounding pharmacy sickened hundreds of Americans. While the national drugs regulatory authority (hereafter, the regulatory authority) is responsible for the safety of a country's drug supply, no single country can entirely guarantee this today. The once common use of the term counterfeit to describe any drug that is not what it claims to be is at the heart of the argument. In a narrow, legal sense a counterfeit drug is one that infringes on a registered trademark. The lay meaning is much broader, including any drug made with intentional deceit. Some generic drug companies and civil society groups object to calling bad medicines counterfeit, seeing it as the deliberate conflation of public health and intellectual property concerns. Countering the Problem of Falsified and Substandard Drugs accepts the narrow meaning of counterfeit, and, because the nuances of trademark infringement must be dealt with by courts, case by case, the report does not discuss the problem of counterfeit medicines.

ADVANCED REINFORCED CONCRETE DESIGN P. C. VARGHESE 2009-01-09 Intended as a companion volume to the author's Limit State Design of Reinforced Concrete (published by Prentice-Hall of India), the Second Edition of this comprehensive and systematically organized text builds on the strength of the first edition, continuing to provide a clear and masterly exposition of the fundamentals of the theory of concrete design. The text meets the twin objective of catering to the needs of the postgraduate students of Civil Engineering and the needs of the practising civil engineers as it focuses also on the practices followed by the industry. This text, along with Limit State Design, covers the entire design practice of revised Code IS456 (2000). In addition, it analyzes the procedures specified in many other BIS codes such as those on winds, earthquakes, and ductile detailing. What's New to This Edition Chapter 18 on Earthquake Forces and Structural Response of framed buildings has been completely revised and updated so as to conform to the latest I.S. Codes 1893 (2002) entitled Criteria for Earthquake Resistant Design of Structures (Part I - Fifth Revision). Chapters 19 and 21 which too deal with earthquake design have been revised. A Summary of elementary design of reinforced concrete members is added as Appendix. Valuable tables and charts are presented to help students and practising designers to arrive at a speedy estimate of the steel requirements in slabs, beams, columns and footings of ordinary buildings.

Future Times, Future Tenses Philippe De Brabanter 2014 Future Times, Future Tenses examines how the future is expressed by means of tense, aspect, and modality across a wide range of languages, among them French, Polish, Basque, Turkish, and West Greenlandic. From the present point of view, the future is not fixed: while there is arguably only one past, the future is largely open and/or indeterminate. Reference to the future has thus become one of the most hotly-debated topics in contemporary linguistics: the interactions of future tense with future time, and of future tense with the semantics of possible worlds, are crucial to any satisfactory account of temporal linguistics. This book considers and seeks a resolution to outstanding issues in the field by uniting linguistic and philosophical perspectives on future reference in natural language. Scholars from different parts of the world approach these issues from a variety of theoretical perspectives, including those of linguistic typology, formal semantics, pragmatics, and philosophy of language. In the process they question the very validity of the traditional notion of a specific marker for future tense. The book shows the close connections between linguistic, logical, metaphysical, ontological, and epistemological issues concerning the future and reveals the value of linking linguistic considerations of tense and aspect to philosophical approaches to modality and time.

Weeding of Collections in Sci-Tech Libraries Ellis Mount 2019-12-20 In this book, first published in 1986, experts from the various specialties describe the weeding process in corporate, academic, and university libraries. Factors affecting the weeding of materials - lack of space, a desire to place materials in a more suitable library, changing goals of the library - are explored. Discussions concerning the choices for the disposal of items are insightful and innovative.

World Development Report 2018 World Bank Group 2017-10-16 Every year, the World Bank's World Development Report (WDR) features a topic of central importance to global development. The 2018 WDR—LEARNING to Realize Education's Promise—is the first ever devoted entirely to education. And the time is right: education has long been critical to human welfare, but it is even more so in a time of rapid economic and social change. The best way to equip children and youth for the future is to make their learning the center of all efforts to promote education. The 2018 WDR explores four main themes: First, education's promise: education is a powerful instrument for eradicating poverty and promoting shared prosperity, but fulfilling its potential requires better policies—both within and outside the education system. Second, the need to shine a light on learning: despite gains in access to education, recent learning assessments reveal that many young people around the world, especially those who are poor or marginalized, are leaving school unequipped with even the foundational skills they need for life. At the same time,

internationally comparable learning assessments show that skills in many middle-income countries lag far behind what those countries aspire to. And too often these shortcomings are hidden—so as a first step to tackling this learning crisis, it is essential to shine a light on it by assessing student learning better. Third, how to make schools work for all learners: research on areas such as brain science, pedagogical innovations, and school management has identified interventions that promote learning by ensuring that learners are prepared, teachers are both skilled and motivated, and other inputs support the teacher-learner relationship. Fourth, how to make systems work for learning: achieving learning throughout an education system requires more than just scaling up effective interventions. Countries must also overcome technical and political barriers by deploying salient metrics for mobilizing actors and tracking progress, building coalitions for learning, and taking an adaptive approach to reform.

Column Shortening in Tall Structures Mark Fintel 1987

Guidelines for earthquake resistant non-engineered construction Arya, Anand S 2014-08-25

Failure Mechanisms in Building Construction David Harlan Nicasro 1997 David Nicasro examines various types of failure mechanisms, including their causes and identifying characteristics, and provides a comprehensive collection of case histories.

ACI Manual of Concrete Practice American Concrete Institute 2004

The Seismic Design Handbook Farzad Naeim 1989-08-31

Concrete Admixtures V.H. Dodson 2013-06-29