

Structural Analysis By C S Reddy

Compilers and operating systems constitute the basic interfaces between a programmer and the machine for which he is developing software. In this book we are concerned with the construction of the former. Our intent is to provide the reader with a firm theoretical basis for compiler construction and sound engineering principles for selecting alternate methods, implementing them, and integrating them into a reliable, economically viable product. The emphasis is upon a clean decomposition employing modules that can be re-used for many compilers, separation of concerns to facilitate team programming, and flexibility to accommodate hardware and system constraints. A reader should be able to understand the questions he must ask when designing a compiler for language X on machine Y, what tradeoffs are possible, and what performance might be obtained. He should not feel that any part of the design rests on whim; each decision must be based upon specific, identifiable characteristics of the source and target languages or upon design goals of the compiler. The vast majority of computer professionals will never write a compiler. Nevertheless, study of compiler technology provides important benefits for almost everyone in the field. • It focuses attention on the basic relationships between languages and machines. Understanding of these relationships eases the inevitable transitions to new hardware and programming languages and improves a person's ability to make appropriate tradeoffs in design and implementation.

This book deals with matrix methods of structural analysis for linearly elastic framed structures. It starts with background of matrix analysis of structures followed by procedure to develop force-displacement relation for a given structure using flexibility and stiffness coefficients. The remaining text deals with the analysis of framed structures using flexibility, stiffness and direct stiffness methods. Simple programs using MATLAB for the analysis of structures are included in the appendix. Key Features Explores matrix methods of structural analysis for linearly elastic framed structures Introduces key concepts in the development of stiffness and flexibility matrices Discusses concepts like action and redundant coordinates (in flexibility method) and active and restrained coordinates (in stiffness method) Helps reader understand the background behind the structural analysis programs Contains solved examples and MATLAB codes

New and classical results in computational complexity, including interactive proofs, PCP, derandomization, and quantum computation. Ideal for graduate students.

This revised and significantly expanded edition contains a rigorous examination of key concepts, new chapters and discussions within existing chapters, and added reference materials in the appendix, while retaining its classroom-tested approach to helping readers navigate through the deep ideas, vast collection of the fundamental methods of structural analysis. The authors show how to undertake the numerous analytical methods used in structural analysis by focusing on the principal concepts, detailed procedures and results, as well as taking into account the advantages and disadvantages of each method and sphere of their effective application. The end result is a guide to mastering the many intricacies of the range of methods of structural analysis. The book differentiates itself by focusing on extended analysis of beams, plane and spatial trusses, frames, arches, cables and combined structures; extensive application of influence lines for analysis of structures; simple and effective procedures for computation of deflections; introduction to plastic analysis, stability, and free and forced vibration analysis, as well as some special topics. Ten years ago, Professor Igor A. Karnovsky and Olga Lebed crafted a must-read book. Now fully updated, expanded, and titled Advanced Methods of Structural Analysis (Strength, Stability, Vibration), the book is ideal for instructors, civil and structural engineers, as well as researches and graduate and post graduate students with an interest in perfecting structural analysis.

Advanced Structural Analysis with MATLAB®

Statically Determinate Structures

Chondroitin Sulfate

Introduction to Structural Analysis

An Introduction to Matrix Structural Analysis and Finite Element Methods

Designed as a textbook for the undergraduate students of civil engineering and postgraduate students of structural engineering, this comprehensive book presents the fundamental aspects of matrix analysis of structures. The basic features of Matrix Structural Analysis along with its intricacies in application to actual problems backed up by numerical examples, form the main objective of writing this book. The text begins with the chapters on basics of matrices and structural systems. After providing the foundation for matrix structural representation, the text moves onto dimensional and behavioral aspects of structural systems to classify into pin-jointed systems, then onto beams and finally three-dimensional rigid jointed systems. The text concludes with a chapter on special techniques in using matrices for structural analysis. Besides, MATLAB codes are given at the end to illustrate interfacing with standard computing tool. A large number of numerical examples are given in each chapter which will reinforce the understanding of the subject matter.

This second edition of Examples in Structural Analysis uses a step-by-step approach and provides an extensive collection of fully worked and graded examples for a wide variety of structural analysis problems. It presents detailed information on the methods of solutions to problems and the results obtained. Also given within the text is a summary of each of the principal analysis techniques inherent in the design process and where appropriate, an explanation of the mathematical models used. The text emphasises that software should only be used if designers have the appropriate knowledge and understanding of the mathematical modelling, assumptions and limitations inherent in the programs they use. It establishes the use of hand-methods for obtaining approximate solutions during preliminary design and an independent check on the answers obtained from computer analyses. What's New in the Second Edition: New chapters cover the development and use of influence lines for determinate and indeterminate beams, as well as the use of approximate analyses for indeterminate pin-jointed and rigid-jointed plane-frames. This edition includes a rewrite of the chapter on buckling instability, expands on beams and on the use of the unit load method applied to singly redundant frames. The x-y-z co-ordinate system and symbols have been modified to reflect the conventions adopted in the structural Eurocodes. William M. C. McKenzie is also the author of six design textbooks relating to the British Standards and the Eurocodes for structural design and one structural analysis textbook. As a member of the Institute of Physics, he is both a chartered engineer and a chartered physicist and has been involved in consultancy, research and teaching for more than 35 years.

The new edition of this book presents the basic principles of classical and matrix structural analysis. It provides a smooth transition from the classical approaches that are based on physical behaviour of structures in terms of their deflected shapes to a formal treatment of a general class of structures by means of matrix formulation in order to understand how the structural problems can be formulated in order to make them suitable for computer programming. Features: • Offers complete coverage with respect to both classical and matrix approaches. • The scope of fixed beams is enlarged by including a large number of worked-out examples covering point loads, uniform and varying loads, applied couples and effect of sinking and rotation of supports • Includes tension coefficient method in the analysis of plane trusses and space trusses.

The third edition of this well-accepted textbook continues in its tradition of presenting the applications of principles, with the addition of a new chapter ""Double Integration Method"" for a complete treatment on ""Analysis of Determinate Structures"". This new chapter will make the reader understand the development of deflection analysis. This book caters to the needs of the student who enters the portals of Civil Engineering Department in the second year of UG programs. It will also be useful to understand the basic principles of structural analysis, energy principles, concepts of loads, arches, bridges, beams, analysis of statically determinate structures, and importance of influence line diagrams in analyzing problems on indeterminate beams. Moreover, the book can aid solving of basic structural engineering problems in an easy-to-follow and simple manner, avoiding unnecessary mathematical gymnastics and, instead, emphasizing on the engineering applications. The book takes an outcome-based learning approach, where the authors ensure that the students engage well with the contents of each chapter and the expected learning outcomes are achieved by them. Realizing the importance for a systematic approach to problem solving, Bloom's Taxonomy has been applied while designing the contents of the book, so that the students systematically learn to remember, understand, analyze, apply, evaluate and create learning. A large number of practical problems from various university and competitive examinations, presented in the book, will help students get a feel of the problems encountered in the real world. These will also help them during taking their own examinations. Updated chapters and inclusion of a new ""Double Integration Method"" extends the scope of the book, making it suitable to postgraduate level courses as well. Every topic is illustrated with a large number of worked out numerical examples. Contains problems from university and competitive examinations. Provides exercises in every chapter in an orderly way for self-study.

An Interdisciplinary Approach

Generalized Blockmodeling

MATRIX METHODS OF STRUCTURAL ANALYSIS

Structure, role and pharmacological activity

Structural Analysis

Software Testing and Analysis

This book deals with finite element analysis of structures and will be of value to students of civil, structural and mechanical engineering at final year undergraduate and post-graduate level. Practising structural engineers and researchers will also find it useful. Authoritative and up-to-date, it provides a thorough grounding in matrix-tensor analysis and the underlying theory, and a logical development of its application to structures.

The current trend of building more streamlined structures has made stability analysis a subject of extreme importance. It is mostly a safety issue because Stability loss could result in an unimaginable catastrophe. Written by two authors with a combined 80 years of professional and academic experience, the objective of Stability of Structures: Principles and Applications is to provide engineers and architects with a firm grasp of the fundamentals and principles that are essential to performing effective stability analysis. Concise and readable, this guide presents stability analysis within the context of elementary nonlinear flexural analysis, providing a strong foundation for incorporating theory into everyday practice. The first chapter introduces the buckling of columns. It begins with the linear elastic theory and proceeds to include the effects of large deformations and inelastic behavior. In Chapter 2 various approximate methods are illustrated along with the fundamentals of energy methods. The chapter concludes by introducing several special topics, some advanced, that are useful in understanding the physical resistance mechanisms and consistent and rigorous mathematical analysis. Chapters 3 and 4 cover buckling of beam-columns. Chapter 5 presents torsion in structures in some detail, which is one of the least well understood subjects in the entire spectrum of structural mechanics. Strictly speaking, torsion itself does not belong to a topic in structural stability, but needs to be covered to some extent for a better understanding of buckling accompanied with torsional behavior. Chapters 6 and 7 consider stability of framed structures in conjunction with torsional behavior of structures. Chapters 8 to 10 consider buckling of plate elements, cylindrical shells, and general shells. Although the book is primarily devoted to analysis, rudimentary design aspects are discussed. Balanced presentation for both theory and practice Well-blended contents covering elementary to advanced topics Detailed presentation of the development

This practical text contains fairly "traditional" coverage of data structures with a clear and complete use of algorithm analysis, and some emphasis on file processing techniques as relevant to modern programmers. It fully integrates OO programming with these topics, as part of the detailed presentation of OO programming itself.Chapter topics include lists, stacks, and queues; binary and general trees; graphs; file processing and external sorting; searching; indexing; and limits to computation.For programmers who need a good reference on data structures.

Introduces machine learning and its algorithmic paradigms, explaining the principles behind automated learning approaches and the considerations underlying their usage.

Causality

Foundations of Data Science

Structural Analysis Vol II

Elementary Structural Analysis and Design of Buildings

Structural Analysis 1

A Unified Approach

This book provides an integrated treatment of generalized blockmodeling appropriate for the analysis network structures.

Building structures are unique in the field of engineering, as they pose challenges in the development and conceptualization of their design. As more innovative structural forms are envisioned, detailed analyses using computer tools are inevitable. This book e overall understanding of computer-aided analysis of various types of structural forms using advanced tools such as MATLAB®. Detailed descriptions of the fundamentals are explained in a "classroom" style, which will make the content more user-friendly and concepts are emphasized through simple illustrative examples and exercises, and analysis methodologies and guidelines are explained through numerous example problems.

This book presents a unified approach to the analysis of structures by combining classical and matrix method of analysis. It is designed to provide a thorough understanding of the basic concepts of structural analysis and to develop intuitive perception in st A keystone reference that presents both up-to-date research and the far-reaching applications of marine biotechnology Featuring contributions from 100 international experts in the field, this five-volume encyclopedia provides comprehensive coverage of to starts with the history of the field and delivers a complete overview of marine biotechnology. It then offers information on marine organisms, bioprocess techniques, marine natural products, biomaterials, bioenergy, and algal biotechnology. The encyclopedia biotechnology applications in areas such as pharmaceuticals, cosmeceuticals, and nutraceuticals. Each topic in Encyclopedia of Marine Biotechnology is followed by 10-30 subtopics. The reference looks at algae cosmetics, drugs, and fertilizers; biodiversity; c aeropylsinin-1, toluquinol, astaxanthin, and fucoxanthin; and algal and fish genomics. It examines neuro-protective compounds from marine microorganisms; potential uses and medical management of neurotoxic phycotoxins; and the role of metagenomics in e microbiomes. Other sections fully explore marine microbiology, pharmaceutical development, seafood science, and the new biotechnology tools that are being used in the field today. One of the first encyclopedic books to cater to experts in marine biotechno range of research on marine biotechnology to bridge the gap between scientific research and the industrial arena Offers clear explanations accompanied by color illustrations of the techniques and applications discussed Contains studies of the applications field of biomedical sciences Edited by an experienced author with contributions from internationally recognized experts from around the globe Encyclopedia of Marine Biotechnology is a must-have resource for researchers, scientists, and marine biologists in students at the postgraduate and graduate level. It will also benefit companies focusing on marine biotechnology, pharmaceutical and biotechnology, and bioenergy.

A Guide for Practicing Engineers and Students

Process, Principles and Techniques

Reasoning About a Highly Connected World

Stability of Structures

2011 ICSM Proceedings

Matrix Methods of Structural Analysis

Recent advancements in the selection of various geometric structural forms demand understanding of structural analysis using computer-aided tools. This book presents various important aspects of computer-aided tools and programming for advanced structural analysis, and includes exercises, exams with solutions, and MATLAB input-output codes.

Graph-structured data is ubiquitous throughout the natural and social sciences, from telecommunication networks to quantum chemistry. Building relational inductive biases into deep learning architectures is crucial for creating systems that can learn, reason, and generalize from this kind of data. Recent years have seen a surge in research on graph representation learning, including techniques for deep graph embeddings, generalizations of convolutional neural networks to graph-structured data, and neural message-passing approaches inspired by belief propagation. These advances in graph representation learning have led to new state-of-the-art results in numerous domains, including chemical synthesis, 3D vision, recommender systems, question answering, and social network analysis. This book provides a synthesis and overview of graph representation learning. It begins with a discussion of the goals of graph representation learning as well as key methodological foundations in graph theory and network analysis. Following this, the book introduces and reviews methods for learning node embeddings, including random-walk-based methods and applications to knowledge graphs. It then provides a technical synthesis and introduction to the highly successful graph neural network (GNN) formalism, which has become a dominant and fast-growing paradigm for deep learning with graph data. The book concludes with a synthesis of recent advancements in deep generative models for graphs—a nascent but quickly growing subset of graph representation learning.

This book provides an introduction to the mathematical and algorithmic foundations of data science, including machine learning, high-dimensional geometry, and analysis of large networks. Topics include the counterintuitive nature of data in high dimensions, important linear algebraic techniques such as singular value decomposition, the theory of random walks and Markov chains, the fundamentals of and important algorithms for machine learning, generalizations of convolutional neural networks to graph-structured data, and neural message- representation learning including topic modelling and non-negative matrix factorization, wavelets and compressed sensing. Important probabilistic techniques are developed including the law of large numbers, tail inequalities, analysis of random projections, generalization guarantees in machine learning, and moment methods for analysis of phase transitions in large random graphs. Additionally, important structural and complexity measures are discussed such as matrix norms and VC-dimension. This book is suitable for both undergraduate and graduate courses in the design and analysis of algorithms for data.

Causality offers the first comprehensive coverage of causal analysis in many sciences, including recent advances using graphical methods. Pearl presents a unified account of the probabilistic, manipulative, counterfactual and structural approaches to causation, and devises simple mathematical tools for analyzing the relationships between causal connections, statistical associations, actions and observations. The book will open the way for including causal analysis in the standard curriculum of statistics, artificial intelligence ...

Structural Analysis of Historical Constructions

Graph Representation Learning

Computer Methods in Structural Analysis

Data Structures and Algorithm Analysis in C++, Third Edition

A Modern Approach

Encyclopedia of Marine Biotechnology

Bridging the gap between what is traditionally taught in textbooks and what is actually practiced in engineering firms, Introduction to Structural Analysis: Displacement and Force Methods clearly explains the two fundamental methods of structural analysis: the displacement method and the force method. It also shows how these methods are applied, particularly to trusses, beams, and rigid frames. Acknowledging the fact that virtually all computer structural analysis programs are based on the matrix displacement method of analysis, the text begins with the displacement method. A matrix operations tutorial is also included for review and self-learning. To minimize any conceptual difficulty readers may have, the displacement method is introduced with the plane truss analysis and the concept of nodal displacement. The book then presents the force method of analysis for plane trusses to illustrate force equilibrium, deflection, statistical indeterminacy, and other concepts that help readers to better understand the behavior of a structure. It also extends the force method to beam and rigid frame analysis. Toward the end of the book, the displacement method reappears along with the moment distribution and slope-deflection methods in the context of beam and rigid frame analysis. Other topics covered include influence lines, non-prismatic members, composite structures, secondary stress analysis, and limits of linear and static structural analysis. Integrating classical and modern methodologies, this book explains complicated analysis using simplified methods and numerous examples. It provides readers with an understanding of the underlying methodologies of finite element analysis and the practices used by professional structural engineers.

This volume contains the proceedings of the 11th International Conference on Structural Analysis of Historical Constructions (SAHC) that was held in Cusco, Peru in 2018. It disseminates recent advances in the areas related to the structural analysis of historical and archaeological constructions. The challenges faced in this field show that accuracy and robustness of results rely heavily on an interdisciplinary approach, where different areas of expertise from managers, practitioners, and scientists work together. Bearing this in mind, SAHC 2018 stimulated discussion on the new knowledge developed in the different disciplines involved in analysis, conservation, retrofit, and management of existing constructions. This book is organized according to the following topics: assessment and intervention of archaeological heritage, history of construction and building technology, advances in inspection and NDT, innovations in field and laboratory testing applied to historical construction and heritage, new technologies and techniques, risk and vulnerability assessments of heritage for multiple types of hazards, repair, strengthening, and retrofit of historical structures, numerical modeling and structural analysis, structural health monitoring, durability and sustainability, management and conservation strategies for heritage structures, and interdisciplinary projects and case studies. This volume holds particular interest for all the community interested in the challenging task of preserving existing constructions, enable great opportunities, and also uncover new challenges in the field of structural analysis of historical and archeological constructions.

This book presents students with the key fundamental elements of structural analysis and covers as much material as is needed for a single-semester course, allowing for a full understanding of indeterminate structural analysis methods without being overwhelming. Authored by four full professors of engineering, this class-tested approach is more practical and focused than what's found in other existing structural analysis titles, and therefore more easily digestible and accessible. It also allows students to solve indeterminate structural analysis problems by utilizing different methods, enabling them to compare the merits of each, and providing a greater understanding of the subject material. Features: Includes practical examples to illustrate the concepts presented throughout the book. Examines and compares different methods to solve indeterminate structural analysis problems. Presents a focused treatment of the subject suitable as a primary text for coursework. Static Analysis of Determinate and Indeterminate Structures is suitable for Civil Engineering students taking Structural Analysis courses.

This book is an introductory text on structural analysis and structural design. While the emphasis is on fundamental concepts, the ideas are reinforced through a combination of limited versatile classical techniques and numerical methods. Structural analysis and structural design including optimal design are strongly linked through design examples.

Principles and Applications

The Pattern of Decision

Introduction to Structural Analysis & Design

Biochemical Roles of Eukaryotic Cell Surface Macromolecules

Basic Structural Analysis

A Practical Introduction to Data Structures and Algorithm Analysis

Using a general approach, this book supports the student to enable mastery of the methods of analysis of isostatic and hyperstatic structures. To show the performance of the methods of analysis of the hyperstatic structures, selected beams, gantries and reticular structures are selected and subjected to a comparative study by the different methods of analysis of the hyperstatic structures.

Comprehensive treatment focuses on creation of efficient data structures and algorithms and selection or design of data structure best suited to specific problems. This edition uses C++ as the programming language. Are all film stars linked to Kevin Bacon? Why do the stock markets rise and fall sharply on the strength of a vague rumour? How does gossip spread so quickly? Are we all related through six degrees of separation? There is a growing awareness of the complex networks that pervade modern society. We see them in the rapid growth of the Internet, the ease of global communication, the swift spread of news and information, and in the way epidemics and financial crises develop with startling speed and intensity. This introductory book on the new science of networks takes an interdisciplinary approach, using economics, sociology, computing, information science and applied mathematics to address fundamental questions about the links that connect us, and the ways that our decisions can have consequences for others.

Structural analysis is the corner stone of civil engineering and all students must obtain a thorough understanding of the techniques available to analyse and predict stress in any structure. The new edition of this popular textbook provides the student with a comprehensive introduction to all types of structural and stress analysis, starting from an explanation of the basic principles of statics, normal and shear force and bending moments and torsion. Building on the success of the first edition, new material on structural dynamics and finite element method has been included. Virtually no prior knowledge of structures is assumed and students requiring an accessible and comprehensive insight into stress analysis will find no better book available. Provides a comprehensive overview of the subject providing an invaluable resource to undergraduate civil engineers and others new to the subject Includes numerous worked examples and problems to aide in the learning process and develop knowledge and skills Ideal for classroom and training course usage providing relevant pedagogy

Networks, Crowds, and Markets

Computational Complexity

Intermediate Structural Analysis

Structural and Stress Analysis

Theory and Problems

Compiler Construction

This comprehensive volume is unique in presenting the typically decoupled fields of Matrix Structural Analysis (MSA) and Finite Element Methods (FEM) in a cohesive framework. MSA is used not only to derive formulations for truss, beam, and frame elements, but also to develop the overarching framework of matrix analysis. FEM builds on this foundation with numerical approximation techniques for solving boundary value problems in steady-state heat and linear elasticity. Focused on coding, the text guides the reader from first principles to explicit algorithms. This intensive, code-centric approach actively prepares the student or practitioner to critically assess the performance of commercial analysis packages and explore advanced literature on the subject. Request Inspection Copy

Cell surface molecules are critically important in regulating cell structure and function. Recent advances on the functional role of cell surface molecules, particularly glycoconjugates are presented in this book. Comprising of 22 chapters from the 2011 International Symposium on Biochemical Roles of Eukaryotic Cell Surface Macromolecules, it covers topics on the analysis of glycome, biophysical approaches to study cell surface molecules, glycoconjugate metabolism and its dysregulation, and molecular mechanisms involved in cell-cell and cell – matrix interaction.

Readers learn to master the basic principles of structural analysis using the classical approach found in Kassimali's distinctive STRUCTURAL ANALYSIS, 6th Edition. This edition presents structural analysis concepts in a logical order, progressing from an introduction of each topic to an analysis of statically determinate beams, trusses and rigid frames, and then to the analysis of statically indeterminate structures. Practical, solved problems integrated throughout each presentation help illustrate and clarify the book's fundamental concepts, while the latest examples and timely content reflect today's most current professional standards. Kassimali's STRUCTURAL ANALYSIS, 6th Edition provides the foundation needed for advanced study and professional success. Important Notice: Media content referenced within the product description or the product text may not be available in the ebook version.

Comprehensive treatment focuses on creation of efficient data structures and algorithms and selection or design of data structure best suited to specific problems. This edition uses Java as the programming language.

Displacement and Force Methods

Static Analysis of Determinate and Indeterminate Structures

Data Structures and Algorithm Analysis in Java, Third Edition

Code-switching Between Structural and Sociolinguistic Perspectives

Examples in Structural Analysis, Second Edition

A Structural Analysis of the Fiction of C.S. Lewis

Teaches readers how to test and analyze software to achieve an acceptable level of quality at an acceptable cost Readers will be able to minimize software failures, increase quality, and effectively manage costs Covers techniques that are suitable for near-term application, with sufficient technical background to indicate how and when to apply them Provides balanced coverage of software testing & analysis approaches By incorporating modern topics and strategies, this book will be the standard software-testing textbook

The study of code-switching has been carried out from linguistic, psycholinguistic, and sociolinguistic perspectives, largely in isolation from each other. This volume attempts to unite these three research strands by placing at the centre of the enquiry the role played by social factors in the occurrence, forms, and outcomes of code-switching. The contributions in this volume are divided into three parts: " code-switching between cognition and socio-pragmatics " , " multilingual interaction and identity " , and " code-switching and social structure " . The case studies represent contact settings on five continents and feature languages with diverse linguistic affiliations. They are predictive and descriptive in their research goals and rely on experimental or naturalistic data. But they share the common goal of seeking to explain how social structures, ideologies, and identity impact on the grammatical and conversational features of code-switching and language mixing, and on the emergence of mixed languages. Given its scope, this volume is a significant addition to the empirical and theoretical foundations of the study of code-switching. It is also of relevance to the general debate on the inter-relationships between language and society.

This overview of the analysis and design of buildings runs from basic principles and elementary structural analysis to the selection of structural systems and materials, and on to foundations and retaining structures. It presents a variety of approaches and methodologies while featuring realistic design examples. As a comprehensive guide and desk reference for practicing structural and civil engineers, and for engineering students, it draws on the author ' s teaching experience at The City College of New York and his work as a design engineer and architect. It is especially useful for those taking the National Council of Examiners for Engineering and Surveying SE exam.

CS is an unbranched, polydisperse, complex glycosaminoglycan extracted and purified from various tissues. This polyanion is interacting with both plasma and cells, it is able to modulate many biochemical and physiologic processes. Due to the presence of sulfate groups in different amounts and located in various positions, CS represents a very heterogeneous family of polysaccharides. therefore, the preparative approach and the analytical techniques are of paramount importance to produce CS with specific structure and properties and of pharmaceutical grade. *Includes recent technologies and methodologies to study and understand the structure and properties of chondroitin sulfate (CS) *Authoritative contributors from the scientific community with expertise in the field of CS and complex polysaccharides *Detailed and accurate figures to describe and illustrate complex molecular and macromolecular structures and properties

Understanding Machine Learning

Advanced Methods of Structural Analysis

Basic Structural Analysis (SI Units)

From Theory to Algorithms

Basic Structural AnalysisTata McGraw-Hill Education