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Engineering Mechanics Engineering Mechanics, 4e Engg Mechanics: Stat & Dyn Insights and Innovations in Structural Engineering, Mechanics and Computation *Actual Problems of Engineering Mechanics* Advances in Engineering Materials, Structures and Systems: Innovations, Mechanics and Applications Research and Applications in Structural Engineering, Mechanics and Computation Engineering Mechanics Indian Books in Print *Numerical Methods in Geotechnical Engineering* Rock Mechanics and Engineering Volume 3 Rock Mechanics and Engineering Volume 2 Principles of the Mechanics of Machinery and Engineering: Theoretical mechanics.—v. 2. Applied mechanics Reliability-Based Analysis and Design of Structures and Infrastructure *Mechanics of Materials* Fluid Mechanics and Hydraulic Machines Analytical Methods in Petroleum Upstream Applications General Relativity and Cosmology with Engineering Applications Current Perspectives and New Directions in Mechanics, Modelling and Design of Structural Systems Essentials of Offshore Structures Science and Engineering Doctorates Engineering Practical Book Vol-II Poisson Theory of Elastic Plates Instabilities Modeling in Geomechanics Unsaturated Soils: Research & Applications Unsaturated Soils: Research & Applications Rainfall-Induced Soil Slope Failure Popular Mechanics *Nonlinear Stochastic Dynamic Engineering Systems* Canadian Journal of Civil Engineering Mechanics and Control of Solids and Structures *Safety, Reliability, Risk and Life-Cycle Performance of Structures and Infrastructures* Engineering Science and Mechanics Advanced Problems in Mechanics Popular Mechanics Indian Books Innovations in Energy, Power and Thermal Engineering Books from India *Rock Characterisation, Modelling and Engineering Design Methods* Indian Science Index

Rainfall-Induced Soil Slope Failure Aug 10 2020 Rainfall-induced landslides are common around the world. With global climate change, their frequency is increasing and the consequences are becoming greater. Previous studies assess them mostly from the perspective of a single discipline—correlating landslides with rainstorms, geomorphology and hydrology in order to establish a threshold prediction value for rainfall-induced landslides; analyzing the slope's stability using a geomechanical approach; or assessing the risk from field records. Rainfall Induced Soil Slope Failure: Stability Analysis and Probabilistic Assessment integrates probabilistic approaches with the geotechnical modeling of slope failures under rainfall conditions with unsaturated soil. It covers theoretical models of rainfall infiltration and stability analysis, reliability analysis based on coupled hydro-mechanical modelling, stability of slopes with cracks, gravels and spatial heterogenous soils, and probabilistic model calibration based on measurement. It focuses on the uncertainties involved with rainfall-induced landslides and presents state-of-the art techniques and methods which characterize the uncertainties and quantify the probabilities and risk of rainfall-induced landslide hazards. Additionally, the authors cover: The failure mechanisms of rainfall-induced slope failure Commonly used infiltration and stability methods The infiltration and stability of natural soil slopes with cracks and colluvium materials Stability evaluation methods based on probabilistic approaches The effect of spatial variability on unsaturated soil slopes and more

Mechanics and Control of Solids and Structures Apr 05 2020 This book presents a collection of papers prepared by the researches of the Institute for Problems in Mechanical Engineering of the Russian Academy of Sciences (IPME RAS) on the occasion of the 30th anniversary of the establishment of the Institute. The IPME RAS is one of the leading research institutes of the Russian Academy of Sciences and consists of 18 research units (laboratories). The chapters cover the main research directions of the institute, including nano-,micro-, meso- and macro- mechanics and materials, with ,special emphasis on the problems of strength of materials and service life of structures.

Unsaturated Soils: Research & Applications Oct 12 2020 This book contains the contributions to the Second European Conference on Unsaturated Soils, E-UNSAT 2012, held in Napoli, Italy, in June 2012, and includes more than one hundred papers, addressing three thematic areas: experimental, modelling, and engineering.

Advanced Problems in Mechanics Jan 03 2020 This book focuses on original theories and approaches in the field of mechanics. It reports on both theoretical and applied research, with a special emphasis on problems and solutions at the interfaces of mechanics and other research areas. The respective chapters highlight cutting-edge works fostering development in fields such as micro- and nanomechanics, material science, physics of solid states, molecular physics, astrophysics, and many others. Special attention has been given to outstanding research conducted by young scientists from all over the world. Based on the 47th edition of the international conference "Advanced Problems in Mechanics", held on June 24-29, 2019, in St. Petersburg, Russia, and organized by Peter the Great St. Petersburg Polytechnic University and Institute for Problems in Mechanical Engineering of Russian Academy of Sciences under the patronage of Russian Academy of Sciences, the book provides researchers and graduate students with an extensive overview of the latest research and a source of inspiration for future developments in various fields of mechanics.

Engg Mechanics: Stat & Dyn Sep 03 2022

Advances in Engineering Materials, Structures and Systems: Innovations, Mechanics and Applications May 31 2022 Advances in Engineering Materials, Structures and Systems: Innovations, Mechanics and Applications comprises 411 papers that were presented at SEMC 2019, the Seventh International Conference on Structural Engineering, Mechanics and Computation, held in Cape Town, South Africa, from 2 to 4 September 2019. The subject matter reflects the broad scope of SEMC conferences, and covers a wide variety of engineering materials (both traditional and innovative) and many types of structures. The many topics featured in these Proceedings can be classified into six broad categories that deal with: (i) the mechanics of materials and fluids (elasticity, plasticity, flow through porous media, fluid dynamics, fracture, fatigue, damage, delamination, corrosion, bond, creep, shrinkage, etc); (ii) the mechanics of structures and systems (structural dynamics, vibration, seismic response, soil-structure interaction, fluid-structure interaction, response to blast and impact, response to fire, structural stability, buckling, collapse behaviour); (iii) the numerical modelling and experimental testing of materials and structures (numerical methods, simulation techniques, multi-scale modelling, computational modelling, laboratory testing, field testing, experimental measurements); (iv) innovations and special structures (nanostructures, adaptive structures, smart structures, composite structures, bio-inspired structures, shell structures, membranes, space structures, lightweight structures, long-span structures, tall buildings, wind turbines, etc); (v) design in traditional engineering materials (steel, concrete, steel-concrete composite, aluminium, masonry, timber, glass); (vi) the process of structural engineering (conceptualisation, planning, analysis, design, optimization, construction, assembly, manufacture, testing, maintenance, monitoring, assessment, repair, strengthening, retrofitting, decommissioning). The SEMC 2019 Proceedings will be of interest to civil, structural, mechanical, marine and aerospace engineers. Researchers, developers, practitioners and academics in these disciplines will find them useful. Two versions of the papers are available. Short versions, intended to be concise but self-contained summaries of the full papers, are in this printed book. The full versions of the papers are in the e-book.

Current Perspectives and New Directions in Mechanics, Modelling and Design of Structural Systems Apr 17 2021 Current Perspectives and New Directions in Mechanics, Modelling and Design of Structural Systems comprises 330 papers that were presented at the Eighth International Conference on Structural Engineering, Mechanics and Computation (SEMC 2022, Cape Town, South Africa, 5-7 September 2022). The topics featured may be clustered into six broad categories that span the themes of mechanics, modelling and engineering design: (i) mechanics of materials (elasticity, plasticity, porous media, fracture, fatigue, damage, delamination, viscosity, creep, shrinkage, etc); (ii) mechanics of structures (dynamics, vibration, seismic response, soil-structure interaction, fluid-structure interaction, response to blast and impact, response to fire, structural stability, buckling, collapse behaviour); (iii) numerical modelling and experimental testing (numerical methods, simulation techniques, multi-scale modelling, computational modelling, laboratory testing, field testing, experimental measurements); (iv) design in traditional engineering materials (steel, concrete, steel-concrete composite, aluminium, masonry, timber); (v) innovative concepts, sustainable engineering and special structures (nanostructures, adaptive structures, smart structures, composite structures, glass structures, bio-inspired structures, shells, membranes, space structures, lightweight structures, etc); (vi) the engineering process and life-cycle considerations (conceptualisation, planning, analysis, design, optimization, construction, assembly, manufacture, maintenance, monitoring, assessment, repair, strengthening, retrofitting, decommissioning). Two versions of the papers are available: full papers of length 6 pages are included in the e-book, while short papers of length 2 pages, intended to be concise but self-contained summaries of the full papers, are in the printed book. This work will be of interest to civil, structural, mechanical, marine and aerospace engineers, as well as planners and architects.

Rock Characterisation, Modelling and Engineering Design Methods Jul 29 2019 Rock Characterisation, Modelling and Engineering Design Methods contains the contributions presented at the 3rd ISRM SINOROCK Symposium (Shanghai, China, 1820 June 2013). The papers contribute to the further development of the overall rock engineering design process through the sequential linkage of the three themes of rock characterisation, model

Fluid Mechanics and Hydraulic Machines Jul 21 2021 Fluid Mechanics And Hydraulic Machines is designed for the course on fluid mechanics and hydraulic machines offered to the undergraduate students of mechanical and civil engineering. Written in a lucid style, the book lays emphasis on explaining the logic and physics of critical problems to develop analytical skills in the reader.

Engineering Practical Book Vol-II Jan 15 2021 The importance of practical training in engineering education, as emphasized by the AICTE, has motivated the authors to compile the work of various engineering laboratories into a systematic text and practical laboratory book. The manual is written in a simple language and lucid style. It is hoped that students will understand the manual without any difficulty and perform the experiments. The first part of the book has been designed to cover the mechanics and testing of Materials as per ASTM standards. It incorporates basics of mechanics required to handle the latest testing equipment's for testing of Materials. Later half of the book covers the basic science and properties of materials along with the micro analysis of the materials. Brief theory and basic fundamentals have been incorporated to understand the experiments and for the preparation of lab report independently. Sample calculations have been provided to help the students in tabulating the experimental and theoretical results, comparing and interpreting them within technical frame. The book also covers the general aspects for the preparation of a technical report and precautions to be taken in the laboratories for accurate and save performance of experiments. In end of each experiment questions related to each experiment have been provided to test the depth of knowledge gained by the students. The manual has been prepared as per the general requirements of strength of material laboratory and Material science text laboratories for any graduate and Diploma level class syllabus. Material mechanics, testing and their analysis is an important engineering aspect and its knowledge is applied in almost all industries. We hope that manual would be useful for establishing a new laboratory and for the students of all branches. Any suggestions for further improvement of the manual will be welcome and incorporated in the next edition.

Insights and Innovations in Structural Engineering, Mechanics and Computation Aug 02 2022 Insights and Innovations in Structural Engineering, Mechanics and Computation comprises 360 papers that were presented at the Sixth International Conference on Structural Engineering, Mechanics and Computation (SEMC 2016, Cape Town, South Africa, 5-7 September 2016). The papers reflect the broad scope of the SEMC conferences, and cover a wide range of engineering structures (buildings, bridges, towers, roofs, foundations, offshore structures, tunnels, dams, vessels, vehicles and machinery) and engineering materials (steel, aluminium, concrete, masonry, timber, glass, polymers, composites, laminates, smart materials). Some contributions present the latest insights and new understanding on (i) the mechanics of structures and systems (dynamics, vibration, seismic response, instability, buckling, soil-structure interaction), and (ii) the mechanics of materials and fluids (elasticity, plasticity, fluid-structure interaction, flow through porous media, biomechanics, fracture, fatigue, bond, creep, shrinkage). Other contributions report on (iii) recent advances in computational modelling and testing (numerical simulations, finite-element modeling, experimental testing), and (iv) developments and innovations in structural engineering (planning, analysis, design, construction, assembly, maintenance, repair and retrofitting of structures). Insights and Innovations in Structural Engineering, Mechanics and Computation is particularly of interest to civil, structural, mechanical, marine and aerospace engineers. Researchers, developers, practitioners and academics in these disciplines will find the content useful. Short versions of the papers, intended to be concise but self-contained summaries of the full papers, are collected in the book, while the full versions of the papers are on the accompanying CD.

Numerical Methods in Geotechnical Engineering Jan 27 2022 Numerical Methods in Geotechnical Engineering contains the proceedings of the 8th European Conference on Numerical Methods in Geotechnical Engineering (NUMGE 2014, Delft, The Netherlands, 18-20 June 2014). It is the eighth in a series of conferences organised by the European Regional Technical Committee ERTC7 under the auspices of the International

Unsaturated Soils: Research & Applications Sep 10 2020 Unsaturated Soils: Research and Applications contains 247 papers presented at 6th International Conference on Unsaturated Soils (UNSAT2014, Sydney, Australia, 2-4 July 2014). The two volumes provide an overview of recent experimental and theoretical advances in a wide variety of topics related to unsaturated soil mechanics:- Unsaturated Soil Behavi

Books from India Aug 29 2019

Reliability-Based Analysis and Design of Structures and Infrastructure Sep 22 2021 Increasing demand on improving the resiliency of modern structures and infrastructure requires ever more critical and complex designs. Therefore, the need for accurate and efficient approaches to assess uncertainties in loads, geometry,

material properties, manufacturing processes, and operational environments has increased significantly. Reliability-based techniques help develop more accurate initial guidance for robust design and help to identify the sources of significant uncertainty in structural systems. Reliability-Based Analysis and Design of Structures and Infrastructure presents an overview of the methods of classical reliability analysis and design most associated with structural reliability. It also introduces more modern methods and advancements, and emphasizes the most useful methods and techniques used in reliability and risk studies, while elaborating their practical applications and limitations rather than detailed derivations. Features: Provides a practical and comprehensive overview of reliability and risk analysis and design techniques. Introduces resilient and smart structures/infrastructure that will lead to more reliable and sustainable societies. Considers loss elimination, risk management and life-cycle asset management as related to infrastructure projects. Introduces probability theory, statistical methods, and reliability analysis methods. Reliability-Based Analysis and Design of Structures and Infrastructure is suitable for researchers and practicing engineers, as well as upper-level students taking related courses in structural reliability analysis and design.

Actual Problems of Engineering Mechanics Jul 01 2022 6th International Conference "Actual Problems of Engineering Mechanics" (APEM 2019) Selected, peer reviewed papers from the International Conference "Actual Problems of Engineering Mechanics" (APEM 2019), May 20 - 24, 2019, Odessa, Ukraine

Research and Applications in Structural Engineering, Mechanics and Computation Apr 29 2022 Research and Applications in Structural Engineering, Mechanics and Computation contains the Proceedings of the Fifth International Conference on Structural Engineering, Mechanics and Computation (SEMC 2013, Cape Town, South Africa, 2-4 September 2013). Over 420 papers are featured. Many topics are covered, but the contributions may be seen to fall

Innovations in Energy, Power and Thermal Engineering Sep 30 2019 This book presents the select proceedings of International Conference on Innovations in Thermo-Fluid Engineering and Sciences (ICITFES 2020). It covers the theoretical and experimental research works carried out in the field of energy and power engineering. Various topics covered include fluid mechanics, gas turbines and dynamics, heat transfer, humidity and control, multiphase flow, ocean engineering, power and energy, refrigeration and air conditioning, renewable energy, and thermodynamics. The book will be helpful for the researchers, scientists, and professionals working in the field of energy, power engineering, and thermal engineering.

Rock Mechanics and Engineering Volume 3 Dec 26 2021 Analysis, Modeling & Design is the third volume of the five-volume set Rock Mechanics and Engineering and contains twenty-eight chapters from key experts in the following fields: - Numerical Modeling Methods; - Back Analysis; - Risk Analysis; - Design and Stability Analysis: Overviews; - Design and Stability Analysis: Coupling Process Analysis; - Design and Stability Analysis: Blast Analysis and Design; - Rock Slope Stability Analysis and Design; - Analysis and Design of Tunnels, Caverns and Stopes. The five-volume set “Comprehensive Rock Engineering”, which was published in 1993, has had an important influence on the development of rock mechanics and rock engineering. Significant and extensive advances and achievements in these fields over the last 20 years now justify the publishing of a comparable, new compilation. Rock Mechanics and Engineering represents a highly prestigious, multi-volume work edited by Professor Xia-Ting Feng, with the editorial advice of Professor John A. Hudson. This new compilation offers an extremely wideranging and comprehensive overview of the state-of-the-art in rock mechanics and rock engineering and is composed of peer-reviewed, dedicated contributions by all the key experts worldwide. Key features of this set are that it provides a systematic, global summary of new developments in rock mechanics and rock engineering practices as well as looking ahead to future developments in the fields. Contributors are worldrenowned experts in the fields of rock mechanics and rock engineering, though younger, talented researchers have also been included. The individual volumes cover an extremely wide array of topics grouped under five overarching themes: Principles (Vol. 1), Laboratory and Field Testing (Vol. 2), Analysis, Modelling and Design (Vol. 3), Excavation, Support and Monitoring (Vol. 4) and Surface and Underground Projects (Vol. 5). This multi-volume work sets a new standard for rock mechanics and engineering compendia and will be the go-to resource for all engineering professionals and academics involved in rock mechanics and engineering for years to come.

Nonlinear Stochastic Dynamic Engineering Systems Jun 07 2020 This symposium, held at Innsbruck/lgls on June 21–26, 1987, is the fifth in a series of IUTAM-Symposia on the application of stochastic methods in mechanics. The flrst two meetings in Warwick (1972) and Southhampton (1976) concentrated on the stability of stochastic dynamical systems and stochastic methods in dynamics, respectively. The third meeting in Frankfurt/Oder (1982) added aspects of reliability, while the fourth symposium in Stockholm (1984) dealt mainly with fatigue and fracture problems. The general theme of the present symposium is devoted to nonlinear stochastic dynamics of engineering systems which is believed of great importance for providing the tools for basic development and progress in various fields of mechanical-, structural- and aeronautical engineering, particularly in the areas of vehicle dynamics, multi-storey structural dynamics, systems identiflcation, offshore structural dynamics, nuclear structures under various stochastic loading conditions (i. e. wind-, earthquake-, parametric excitations, etc.). The contributions collected in this volume cover a wide spectrum of topics ranging from more theoretical, analytical and numerical treatment to practical application in various flelds. The truly international character of the meeting is accomplished by 42 contributions and 86 participants from as many as 19 countries and hence, contributed to the original idea of IUTAM, which is to foster international cooperation. It should be recalled, that, for getting this cooperation started again after the First World War, Theodore von Kanmm and Tullio Levi-Civita called the world's flrst international (IUTAM) conference on hydro- and aerornechanics in 1922 in Innsbruck, Austria.

Poisson Theory of Elastic Plates Dec 14 2020 This groundbreaking book resolves the main lacuna in Kirchhoff theory of bending of plates in the Poisson-Kirchhoff boundary conditions paradox through the introduction of auxiliary problem governing transverse stresses. The book highlights new primary bending problem which is formulated and analyzed by the application of developed Poisson theory. Analysis with prescribed transverse stresses along faces of the plate, neglected in most reported theories, is presented with an additional term in displacements. The book presents a systematic procedure for the analysis of unsymmetrical laminates. This volume will be a useful reference for students, practicing engineers as well as researchers in applied mechanics. .

Science and Engineering Doctorates Feb 13 2021

Indian Science Index Jun 27 2019

Engineering Mechanics Mar 29 2022 This is a full version; do not confuse with 2 vol. set version (Statistics 9780072828658 and Dynamics 9780072828719) which LC will not retain.

Principles of the Mechanics of Machinery and Engineering: Theoretical mechanics.--v. 2. Applied mechanics Oct 24 2021

Engineering Science and Mechanics Feb 02 2020

Safety, Reliability, Risk and Life-Cycle Performance of Structures and Infrastructures Mar 05 2020 Safety, Reliability, Risk and Life-Cycle Performance of Structures and Infrastructures contains the plenary lectures and papers presented at the 11th International Conference on STRUCTURAL SAFETY AND RELIABILITY (ICOSSAR2013, New York, NY, USA, 16-20 June 2013), and covers major aspects of safety, reliability, risk and life-cycle performance of str

Canadian Journal of Civil Engineering May 07 2020

Engineering Mechanics Nov 05 2022

Engineering Mechanics, 4e Oct 04 2022

General Relativity and Cosmology with Engineering Applications May 19 2021 This is a reference book for researchers working in the field of general relativity, quantum mechanics and quantum gravity. A major part of the book deals with the formulation of special relativistic mechanics, special relativistic fluid dynamics and its generalization to general relativity where the gravitational field is described by a metric tensor. Emphasis is laid on the fact that the general theory of relativity is of tensorial character under all dieomorphisms of space-time and hence its field equations, namely the Einstein field equations for gravitation, the Maxwell equations in a curved space-time geometry and the fluid dynamical equations in curved space time are all valid for all observers in the universe. The emphasis throughout is on the fact that matter generates a gravitational field described by a metric that has a non-vanishing curvature tensor and hence such space-times are inherently curved, ie, cannot be transformed into Minkowsian form. There is a final section on quantum mechanics and quantum field theory which introduces supersymmetry and quantum gravity to the reader. The reader after going through this book will be sufficiently well equipped to start research in quantum gravity, i.e, background independent physics which is as yet an unsolved problem owing to renormalization problems. Note: T& F does not sell or distribute the Hardback in India, Pakistan, Nepal, Bhutan, Bangladesh and Sri Lanka.

Indian Books Oct 31 2019

Indian Books in Print Feb 25 2022

Popular Mechanics Jul 09 2020 Popular Mechanics inspires, instructs and influences readers to help them master the modern world. Whether it’s practical DIY home-improvement tips, gadgets and digital technology, information on the newest cars or the latest breakthroughs in science -- PM is the ultimate guide to our high-tech lifestyle.

Analytical Methods in Petroleum Upstream Applications Jun 19 2021 Effective measurement of the composition and properties of petroleum is essential for its exploration, production, and refining; however, new technologies and methodologies are not adequately documented in much of the current literature. Analytical Methods in Petroleum Upstream Applications explores advances in the analytical methods and instrumentation that allow more accurate determination of the components, classes of compounds, properties, and features of petroleum and its fractions. Recognized experts explore a host of topics, including: A petroleum molecular composition continuity model as a context for other analytical measurements A modern modular sampling system for use in the lab or the process area to collect and control samples for subsequent analysis The importance of oil-in-water measurements and monitoring The chemical and physical properties of heavy oils, their fractions, and products from their upgrading Analytical measurements using gas chromatography and nuclear magnetic resonance (NMR) applications Asphaltene and heavy ends analysis Chemometrics and modeling approaches for understanding petroleum composition and properties to improve upstream, midstream, and downstream operations Due to the renaissance of gas and oil production in North America, interest has grown in analytical methods for a wide range of applications. The understanding provided in this text is designed to help chemists, geologists, and chemical and petroleum engineers make more accurate estimates of the crude value to specific refinery configurations, providing insight into optimum development and extraction schemes.

Instabilities Modeling in Geomechanics Nov 12 2020 Instabilities Modeling in Geomechanics describes complex mechanisms which are frequently met in earthquake nucleation, geothermal energy production, nuclear waste disposal and CO2 sequestration. These mechanisms involve systems of non-linear differential equations that express the evolution of the geosystem (e.g. strain localization, temperature runaway, pore pressure build-up, etc.) at different length and time scales. In order to study the evolution of a system and possible instabilities, it is essential to know the mathematical properties of the governing equations. Therefore, questions of the existence, uniqueness and stability of solutions naturally arise. This book particularly explores bifurcation theory and stability analysis, which are robust and rigorous mathematical tools that allow us to study the behavior of complex geosystems, without even explicitly solving the governing equations. The contents are organized into 10 chapters which illustrate the application of these methods in various fields of geomechanics.

Rock Mechanics and Engineering Volume 2 Nov 24 2021 Laboratory and Field Testing is the second volume of the five-volume set Rock Mechanics and Engineering and contains nineteen chapters from key experts in the following fields: - Triaxial or True-triaxial Tests under Condition of Loading and Unloading; - Joint Tests; - Dynamic and Creep Tests; - Physical Modeling Tests; - Field Testing and URLs. The five-volume set “Comprehensive Rock Engineering”, which was published in 1993, has had an important influence on the development of rock mechanics and rock engineering. Significant and extensive advances and achievements in these fields over the last 20 years now justify the publishing of a comparable, new compilation. Rock Mechanics and Engineering represents a highly prestigious, multi-volume work edited by Professor Xia-Ting Feng, with the editorial advice of Professor John A. Hudson. This new compilation offers an extremely wideranging and comprehensive overview of the state-of-the-art in rock mechanics and rock engineering and is composed of peer-reviewed, dedicated contributions by all the key experts worldwide. Key features of this set are that it provides a systematic, global summary of new developments in rock mechanics and rock engineering practices as well as looking ahead to future developments in the fields. Contributors are worldrenowned experts in the fields of rock mechanics and rock engineering, though younger, talented researchers have also been included. The individual volumes cover an extremely wide array of topics grouped under five overarching themes: Principles (Vol. 1), Laboratory and Field Testing (Vol. 2), Analysis, Modelling and Design (Vol. 3), Excavation, Support and Monitoring (Vol. 4) and Surface and Underground Projects (Vol. 5). This multi-volume work sets a new standard for rock mechanics and engineering compendia and will be the go-to resource for all engineering professionals and academics involved in rock mechanics and engineering for years to come.

Popular Mechanics Dec 02 2019 Popular Mechanics inspires, instructs and influences readers to help them master the modern world. Whether it’s practical DIY home-improvement tips, gadgets and digital technology, information on the newest cars or the latest breakthroughs in science -- PM is the ultimate guide to our high-tech lifestyle.

Essentials of Offshore Structures Mar 17 2021 Essentials of Offshore Structures: Framed and Gravity Platforms examines the engineering ideas and offshore drilling

platforms for exploration and production. This book offers a clear and acceptable demonstration of both the theory and application of the relevant procedures of structural, fluid, and geotechnical mechanics to offshore structures. It

Mechanics of Materials Aug 22 2021 Beer and Johnston's Mechanics of Materials is the uncontested leader for the teaching of solid mechanics. Used by thousands of students around the globe since its publication in 1981, Mechanics of Materials, provides a precise presentation of the subject illustrated with numerous engineering examples that students both understand and relate to theory and application. The tried and true methodology for presenting material gives your student the best opportunity to succeed in this course. From the detailed examples, to the homework problems, to the carefully developed solutions manual, you and your students can be confident the material is clearly explained and accurately represented. If you want the best book for your students, we feel Beer, Johnston's Mechanics of Materials, 6th edition is your only choice.