Klipsch Ksb S1 User Guide

Financial Cryptography, SEC Docket, Water Hammer and Surge Tanks, Molecular Biology, The Philippine Agricultural Review, Biological Reaction Engineering, Pump Handbook, Linking Diagenesis to Sequence Stratigraphy, Elliptic Mixed, Transmission and Singular Crack Problems, Electronics Projects Ready-reference, Fundamentals of Securities Regulation, Domesday Now, Algebraic Curves in Cryptography, Bioprocess Engineering, The Political Situation in Egypt During the Second Intermediate Period, C. 1800-1550 B.C., Activated Barrier Crossing Design News, DIN 1052 Praxishandbuch Holzbau, High Energy Ion Beam Analysis of Solids, Carbohydrate Metabolism in Health and Disease, Guide for the Care and Use of Laboratory Animals, Calculus, Internal and External Stabilization of Linear Systems with Constraints, Mechanics of Engineering, Event-based state-feedback control of physically interconnected systems, Bauwelt International, Bridges Observations on Ice Cover and Streamflow in the Yukon River Near Whitehorse During 1983/84, Strategi pengembangan diklat SDM perhubungan, Perspectives in Optoelectronics, Nietzsche and Antiquity, Control Systems—GATE, PSUS AND ES Examination, Handbook of Chaos Control, Introduction to Statistical Thought, Family Law, Silicon Valley Rapid Transit Corridor, Analysis and Mathematical Models of Canned Electrical Machine Drives, Observational Astrophysics, ACM Transactions on Software Engineering and Methodology, Industrial & Materials Technologies

Eventually, you will utterly discover a new experience and feat by spending more cash. yet when? do you put up with that you require to acquire those every needs later than having significantly cash? Why dont you attempt to get something basic in the beginning? Thats something that will lead you to comprehend even more in relation to the globe, experience, some places, following history, amusement, and a lot more?

It is your unquestionably own get older to produce an effect reviewing habit. along with guides you could enjoy now is Klipsch Ksb S1 User Guide below.

Algebraic Curves in Cryptography Oct 24 2021 The reach of algebraic curves in cryptography goes far beyond elliptic curve or public key cryptography yet these other application areas have not been systematically covered in the literature. Addressing this gap, Algebraic Curves in Cryptography explores the rich uses of algebraic curves in a range of cryptographic applications, such as secret sh

Analysis and Mathematical Models of Canned Electrical Machine Drives Sep 30 2019 This book focuses on the electromagnetic and thermal modeling and analysis of electrical machines, especially canned electrical machines for hydraulic pump applications. It addresses both the principles and engineering practice, with more weight placed on mathematical modeling and theoretical analysis. This is achieved by providing in-depth studies on a number of major topics such as: can shield effect analysis, machine geometry optimization, control analysis, thermal and electromagnetic network models, magneto motive force modeling, and spatial magnetic field modeling. For the can shield effect analysis, several cases are studied in detail, including classical canned induction machines, as well as state-of-the-art canned permanent magnet machines and switched reluctance machines. The comprehensive and systematic treatment of the can effect for canned electrical machines is one of the major features of this book, which is particularly suited for readers who are interested in learning about electrical machines, especially for hydraulic pumping, deep-sea exploration, mining and the nuclear power industry. The book offers a valuable resource for researchers, engineers, and graduate students in the fields of electrical machines, magnetic and thermal engineering, etc.

Design News Jun 19 2021

Electronics Projects Ready-reference Jan 27 2022

DIN 1052 Praxishandbuch Holzbau May 19 2021 Mit der Neuausgabe der DIN 1052 "Entwurf, Berechnung und Bemessung von Holzbauwerken" erfolgte in Anlehnung an die europäische Normung gemäß Eurocode 5 (DIN 1995) eine wichtige Änderung im Holzbau: Die ehemalige Bemessung nach zulässigen Spannungen wurde durch eine Bemessung nach Grenzzuständen - in Verbindung mit Teilsicherheitsbeiwerten - abgelöst. Auch die zweite, überarbeitete Auflage des Praxishandbuches gibt dem Anwender das entscheidende Instrumentarium zur Umsetzung der Holzbaunorm an die Hand, so z. B. die Originaltextversion der neuen DIN 1052 auf einer beigelegten CD-ROM und Erläuterungen zu den relevanten Änderungen der Bemessungsanforderungen. Zahlreiche Diagramme, Tabellen, Bemessungsformeln und Berechnungsbeispiele sowie wertvolle Tipps für die Umsetzung des neuen Bemessungskonzepts runden das Werk ab.

Perspectives in Optoelectronics May 07 2020 Optoelectronics is a rapidly expanding field of research and development. In years to come, it is destined to play a primary role in the growing information industry. The basic philosophy behind the science and technology of optoelectronics is to create and develop photonic devices in which optical photons (light waves) instead of electronic carriers, are manipulated for the conventional task performed by microelectronics. Thanks to the availability of large bandwidth at optical frequencies, the development of cost-effective low-loss low-dispersion silica fibers for optical transmission, and the possibility of ultra-fast two-dimensional processing, the field of present-day microelectronics is moving steadily towards this new technology of optoelectronics and photonics.This volume presents reviews of different areas of optoelectronics written by international experts in the field, covering most of the topics of recent importance. It includes detailed discussions on semiconductor lasers and optical amplifiers; optical fiber transmission; photodetectors; optoelectronic and photonic integrated circuits; light-wave telecommunications; optical signal and image processing; optical computing; nonlinear and integrated optics; space-time Fourier optics; optical metrology and sensing and optical interconnects. All chapters are written in the style of a textbook containing tutorial sections which should be of great use to graduate students. The volume should serve as an excellent book for graduate level course on optoelectronics, modern optical engineering, and optical communications.

Fundamentals of Securities Regulation Dec 26 2021

Guide for the Care and Use of Laboratory Animals Feb 13 2021 A respected resource for decades, the Guide for the Care and Use of Laboratory Animals has been updated by a committee of experts, taking into consideration input from the scientific and laboratory animal communities and the public at large. The Guide incorporates new scientific information on common laboratory animals, including aquatic species, and includes extensive references. It is organized around major components of animal use: Key concepts of animal care and use. The Guide sets the framework for the humane care and use of laboratory animals. Animal care and use program. The Guide discusses the concept of a broad Program of Animal Care and Use, including roles and responsibilities of the Institutional Official, Attending Veterinarian and the Institutional Animal Care and Use Committee. Animal environment, husbandry, and management. A chapter on this topic is now divided into sections on terrestrial and aquatic animals and provides recommendations for housing and environment, husbandry, behavioral and population management, and more. Veterinary care. The Guide discusses veterinary care and the responsibilities of the Attending Veterinarian. It includes recommendations on animal procurement and transportation, preventive medicine (including animal biosecurity), and clinical care and management. The Guide addresses distress and pain recognition and relief, and issues surrounding euthanasia. Physical plant. The Guide identifies design issues, providing construction guidelines for functional areas; considerations such as drainage, vibration and noise control, and environmental monitoring; and specialized facilities for animal housing and research needs. The Guide for the Care and Use of Laboratory Animals provides a framework for the judgments required in the management of animal facilities. This updated and expanded resource of proven value will be important to scientists and researchers, veterinarians, animal care personnel, facilities managers, institutional administrators, policy makers involved in research issues, and animal welfare advocates.

Pump Handbook Apr 29 2022 Rely on the #1 Guide to Pump Design and Application-- Now Updated with the Latest Technological Breakthroughs Long-established as the leading guide to pump design and application, the Pump Handbook has been fully revised and updated with the latest developments in pump technology. Packed with 1,150 detailed illustrations and written by a team of over 100 internationally renowned pump experts, this vital tool shows you how to select, purchase, install, operate, maintain, and troubleshoot cutting-edge pumps for all types of uses. The Fourth Edition of the Pump Handbook features: State-of-the-art guidance on every aspect of pump theory, design, application, and technology Over 100 internationally renowned contributors SI units used throughout the book New sections on centrifugal pump mechanical performance, flow analysis, bearings, adjustable-speed drives, and application to cryogenic LNG services; completely revised sections on pump theory, mechanical seals, intakes and suction piping, gears, and waterhammer; application to pulp and paper mills Inside This Updated Guide to Pump Technology • Classification and Selection of Pumps • Centrifugal Pumps • Displacement Pumps • Solids Pumping • Pump Sealing • Pump Bearings • Jet Pumps • Materials of Construction • Pump Drivers and Power Transmission • Pump Noise • Pump Systems • Pump Services • Intakes and Suction Piping • Selecting and Purchasing Pumps • Installation, Operation, and Maintenance • Pump Testing • Technical Data

Observations on Ice Cover and Streamflow in the Yukon River Near Whitehorse During 1983/84 Jul 09 2020 "The objective of the Yukon Ice Seasonality Experiment (YISEX) is to obtain an understanding of physical processes affecting ice cover on northern lake and river systems. This report focuses on the winter cycle of hydrology and ice regime along a reach of the Yukon River near Whitehorse, based on studies carried out in the winter of 1983/84. The reach is of practical concern because of its location immediately below the Whitehorse Rapids hydro site, and because of the risk of flooding at freeze-up"--Abstract.

High Energy Ion Beam Analysis of Solids Apr 17 2021 The theoretical description of atomic collision processes in solids is followed by a survey of the experimental equipment and of principal methods for ion beam analysis. Chapters on applications for the analysis of surface impurities and of different layer systems as well as for defect analysis include several examples. The quantitative analysis of different kinds of defects in crystals is emphasized. Acidic paper. Annotation copyrighted by Book News, Inc., Portland, OR

Internal and External Stabilization of Linear Systems with Constraints Dec 14 2020 Unifying two decades of research, this book is the first to establish a comprehensive foundation for a systematic analysis and design of linear systems with general state and input constraints. For such systems, which can be used as models for most nonlinear systems, the issues of stability, controller design, additonal constraints, and satisfactory performance are addressed. The book is an excellent reference for practicing engineers, graduate students, and researchers in control systems theory and design. It may also serve as an advanced graduate text for a course or a seminar in nonlinear control systems theory and design in applied mathematics or engineering departments. Minimal prerequisites include a first graduate course in state-space methods as well as a first course in control systems design.

Nietzsche and Antiquity Apr 05 2020 Wide-ranging essays making up the first major study of Nietzsche and the classical tradition in a quarter of a century.

Observational Astrophysics Aug 29 2019 For the last twenty years astronomy has been developing dramatically. Until the nineteen-fifties, telescopes, spectrometers, and photographic plates consti tuted a relatively simple set of tools which had been refined to a high degree of perfection by the joint efforts of physicists and astronomers. Indeed these tools helped at the birth of modern astrophysics: the discovery of the expan sion of the Universe. Then came radioastronomy and the advent of electronics; the last thirty years have seen the application to astrophysics of a wealth of new experimental techniques, based on the most advanced fields of physics, and a constant interchange of ideas between physicists and astronomers. Last, but not least, modern computers have sharply reduced the burden of dealing with the information painfully extracted from the skies, whether from ever scarce photons, or from the gigantic data flows provided by satellites and large telescopes. The aim of this book is not to give an extensive overview of all the tech niques currently in use in astronomy, nor to provide detailed instructions for preparing or carrying out an astronomical project. Its purpose is methodologi cal: photons are still the main carriers of information between celestial sources and the observer. How we are to collect, sample, measure, and store this infor mation is the unifying theme of the book. Rather than the diversity of tech niques appropriate for each wavelength range, we emphasize the physical and mathematical bases which are common to all wavelength regimes.

Event-based state-feedback control of physically interconnected systemsOct 12 2020 Event-based control is a means to restrict the feedback in control loops to event time instants that are determined by a well-defined triggering mechanism. The aim of this control strategy is to adapt the communication over the feedback link to the system behavior. In this thesis, a state-feedback approach to event-based control is extended to systems that are composed of physically interconnected subsystems. The main concern of this thesis is disturbance rejection in interconnected systems, which is supposed to be best accomplished by a continuous state feedback. This consideration leads to the idea that the event-based state-feedback system should approximate the disturbance rejection behavior of a continuous state-feedback system with adjustable precision. Various methods for the event-based control of physically interconnected systems are investigated. In particular, decentralized, distributed and centralized state feedback is studied, which differ with respect to the effort for the communication between the components of the event-based controller over the communication network. The main results concern the design and analysis of event-based state-feedback control methods for physically interconnected systems. For all approaches the disturbance behavior of a continuous state-feedback system is shown to be approximated with adjustable accuracy by the event-based state-feedback system. The novel event-based control methods are tested and evaluated in experiments on a continuous flow process implemented on a large-scale pilot plant.

Bioprocess EngineeringSep 22 2021 Bioprocess Engineering involves the design and development of equipment and processes for the manufacturing of products such as food, feed, pharmaceuticals, nutraceuticals, chemicals, and polymers and paper from biological materials. It also deals with studying various biotechnological processes. "Bioprocess Kinetics and Systems Engineering" first of its kind contains systematic and comprehensive content on bioprocess kinetics, bioprocess systems, sustainability and reaction engineering. Dr. Shijie Liu reviews the relevant fundamentals of chemical kinetics-including batch and continuous reactors, biochemistry, microbiology, molecular biology, reaction engineering, and bioprocess systems engineering- introducing key principles that enable bioprocess engineers to engage in the analysis, optimization, design and consistent control over biological and chemical transformations. The quantitative treatment of bioprocesses is the central theme of this book, while more advanced techniques and applications are covered with some depth. Many theoretical derivations and simplifications are used to demonstrate how empirical kinetic models are applicable to complicated bioprocess systems. Contains extensive illustrative drawings which make the understanding of the subject easy Contains worked examples of the various process parameters, their significance and their specific practical use Provides the theory of bioprocess kinetics from simple concepts to complex metabolic pathways Incorporates sustainability concepts into the various bioprocesses

Control Systems—GATE, PSUS AND ES ExaminationMar 05 2020 Test Prep for Control Systems—GATE, PSUS AND ES Examination

The Philippine Agricultural Review Jul 01 2022 Vol. 1-6 contain the Annual report of the Bureau of Agriculture for 1906/07-1912/13.

Industrial & Materials Technologies Jun 27 2019

Financial CryptographyNov 05 2022 This book constitutes the thoroughly refereed post-conference proceedings of the Third International Conference on Financial Cryptography, FC'99, held in Anguilla, British West Indies in February 1999. The 19 revised full papers presented were carefully reviewed for inclusion in the book. The papers are organized in sections on electronic commerce, anonymity control, fraud management, public-key certificates, steganography, content distribution, anonymity mechanisms, auctions and markets, and distributed cryptography.

SEC DocketOct 04 2022

Carbohydrate Metabolism in Health and DiseaseMar 17 2021 This book is a printed edition of the Special Issue "Carbohydrate Metabolism in Health and Disease" that was published in Nutrients

Calculus Jan 15 2021 James Stewart's CALCULUS texts are widely renowned for their mathematical precision and accuracy, clarity of exposition, and outstanding examples and problem sets. Millions of students worldwide have explored calculus through Stewart's trademark style, while instructors have turned to his approach time and time again. In the Eighth Edition of CALCULUS, Stewart continues to set the standard for the course while adding carefully revised content. The patient explanations, superb exercises, focus on problem solving, and carefully graded problem sets that have made Stewart's texts best-sellers continue to provide a strong foundation for the Eighth Edition. From the most unprepared student to the most mathematically gifted, Stewart's writing and presentation serve to enhance understanding and build confidence. Important Notice: Media content referenced within the product description or the product text may not be available in the ebook version.

Family Law Dec 02 2019 Presented in an accessible format, this text provides a detailed and authoritative exposition of the law, illustrated by carefully selected materials and complemented by clear and engaging commentary drawing on a range of critical and theoretical perspectives.

Mechanics of EngineeringNov 12 2020

Strategi pengembangan diklat SDM perhubungan Jun 07 2020

Handbook of Chaos ControlFeb 02 2020 This long-awaited revised second edition of the standard reference on the subject has been considerably expanded to include such recent developments as novel control schemes, control of chaotic space-time patterns, control of noisy nonlinear systems, and communication with chaos, as well as promising new directions in research. The contributions from leading international scientists active in the field provide a comprehensive overview of our current level of knowledge on chaos control and its applications in physics, chemistry, biology, medicine, and engineering. In addition, they show the overlap with the traditional field of control theory in the engineering community. An interdisciplinary approach of interest to scientists and engineers working in a number of areas.

Domesday NowNov 24 2021 Essays into numerous aspects of the Domesday Book, shedding fresh light on its mysteries.

Introduction to Statistical Thought Jan 03 2020 This free PDF textbook is intended as an upper level undergraduate or introductory graduate textbook in statistical thinking. It is best suited to students with a good knowledge of calculus and the ability to think abstractly. The focus of the text is the ideas that statisticians care about as opposed to technical details of how to put those ideas into practice. Another unusual aspect is the use of statistical software as a pedagogical tool. That is, instead of viewing the computer merely as a convenient and accurate calculating device, the book uses computer calculation and simulation as another way of explaining and helping readers understand the underlying concepts. The book is written with the statistical language R embedded throughout. R software and accompanying manuals are available for free download from http: //www.r-project.or

Elliptic Mixed, Transmission and Singular Crack ProblemsFeb 25 2022 Mixed, transmission, or crack problems belong to the analysis of boundary value problems on manifolds with singularities. The Zaremba problem with a jump between Dirichlet and Neumann conditions along an interface on the boundary is a classical example. The central theme of this book is to study mixed problems in standard Sobolev spaces as well as in weighted edge spaces where the interfaces are interpreted as edges. Parametrices and regularity of solutions are obtained within a systematic calculus of boundary value problems on manifolds with conical or edge singularities. This calculus allows singularities on the interface and homotopies between mixed and crack problems. Additional edge conditions are computed in terms of relative index results. In a detailed final chapter, the intuitive ideas of the approach are illustrated, and there is a discussion of future challenges. A special feature of the text is the inclusion of many worked-out examples which help the reader to appreciate the scope of the theory and to treat new cases of practical interest. This book is addressed to mathematicians and physicists interested in models with singularities, associated boundary value problems, and their solvability strategies based on pseudo-differential operators. The material is also useful for students in higher semesters and young researchers, as well as for experienced specialists working in analysis on manifolds with geometric singularities, the applications of index theory and spectral theory, operator algebras with symbolic structures, quantisation, and asymptotic analysis.

Linking Diagenesis to Sequence StratigraphyMar 29 2022 Sequence stratigraphy is a powerful tool for the prediction of depositional porosity and permeability, but does not account for the impact of diagenesis on these reservoir parameters. Therefore, integrating diagenesis and sequence stratigraphy can provide a better way of predicting reservoir quality. This special publication consists of 19 papers (reviews and case studies) exploring different aspects of the integration of diagenesis and sequence stratigraphy in carbonate, siliciclastic, and mixed carbonate-siliciclastic successions from various geological settings. This book will be of interest to sedimentary petrologists aiming to understand the distribution of diagenesis in siliciclastic and carbonate successions, to sequence stratigraphers who can use diagenetic features to recognize and verify interpreted key stratigraphic surfaces, and to petroleum geologists who wish to develop more realistic conceptual models for the spatial and temporal distribution of reservoir quality. This book is part of the International Association of Sedimentologists (IAS) Special Publications. The Special Publications from the IAS are a set of thematic volumes edited by specialists on subjects of central interest to sedimentologists. Papers are reviewed and printed to the same high standards as those published in the journal Sedimentology and several of these volumes have become standard works of reference.

Silicon Valley Rapid Transit Corridor Oct 31 2019

The Political Situation in Egypt During the Second Intermediate Period, C. 1800-1550 B.C.Aug 22 2021 The Second Intermediate Period designates the 250 year period (18001550 BC) which separates the two glorious periods of the Middle Kingdom and the New Kingdom. During the 19th century BC, an invasion by Caanite tribes into the Delta took place. Around 1800 BC these people proclaimed their own king and the Delta thus became independent from the rest of Egypt. Egypt remained split between the Canaanitic rulers in North and the native Egyptian Kings in the South for the rest of the Second Intermediate Period. The division of Egypt brought about an economic decline, and the entire period is characterized by a lack of royal monuments. This circumstance has greatly hampered any attempts to establish a chronology of the period, and as a consequence it has been very difficult to date many sources which are relevant for the social and political situation of the period. The Second Intermediate Period has therefore remained one of the most obscure periods of Egypt's ancient history. The dissertation is a new attempt to establish a chronology for the Second Intermediate Period and define the different kingdoms, their territories and political relations. The study consists of four main chapters, three appendixes, a catalogue of sources, bibliography and indices. Included is a catalogue of all the historical sources, about 1500, known to certify the names of the Egyptian kings of the Second Intermediate Period. Each source is described in terms of type, origin and present location, followed by bibliographical references.

ACM Transactions on Software Engineering and Methodology Jul 29 2019

Water Hammer and Surge TanksSep 03 2022

Activated Barrier Crossing Jul 21 2021 The passage of a system from one minimum energy state to another via a potential energy barrier provides a model for the microscopic description of a wide range of physical, chemical and biological phenomena. Examples include diffusion of atoms in solids or on surfaces, flux transitions in superconducting quantum interference devices (SQUIDs), isomerization reactions in solution, electron transfer processes, and ligand binding in proteins. In general, both tunneling and thermally activated barrier crossing may be involved in determining the rate. This book surveys key experiments chosen from physics, chemistry and biology, and describes theoretical methods appropriate for both classical and quantum barrier crossing. A major feature of the book is the attempt to integrate the experimental and theoretical work in one volume. Contents:Introduction (P Hänggi & G R Fleming)Variational Transition State Theory for Dissipative Systems (E Pollak)Multidimensional Barrier Crossing (A Nitzan & Z Schuss)Theoretical and Numerical Methods in Rate Theory (B J Berne)Barrier Crossing Phenomena in the Heme Pocket of Myoglobin (H Frauenfelder et al.)Friction Effects and Barrier Crossing (M Cho et al.)Chemical Aspects of Solution Phase Reaction Dynamics (D Raftery et al.)Solvent Effects in the Dynamics of Dissociation, Recombination and Isomerization Reactions (J Schroeder & J Troe)Thermally Activated Barrier Crossings in Superconducting Quantum Interference Devices (S Han et al.)Barrier Crossing at Low Temperatures (P Hänggi)Dynamics of the Spin-Boson System (U Weiss & M Sassetti) Readership: Condensed matter physicists, physical chemists and biophysicists. Keywords:Reaction Rate Theory;Kramers Theory;Chemical Kinetics;Quantum Tunneling;Quantum Rate Theory;Multidimensional Barrier Crossing;Transition State Theory;Numerical Methods in Rate Theory;Barrier Crossing;Activated Events;Brownian Motion;Dissociation and Isomerization

Molecular BiologyAug 02 2022

Biological Reaction EngineeringMay 31 2022 This practical book presents the modeling of dynamic biological engineering processes in a readily comprehensible manner, using the unique combination of simplified fundamental theory and direct hands-on computer simulation. The mathematics is kept to a minimum, and yet the 60 examples illustrate almost every aspect of biological engineering science, with each one described in detail, including the model equations. The programs are written in the modern user-friendly simulation language Berkeley Madonna, which can be run on both Windows PC and Power-Macintosh computers. Madonna solves models comprising many ordinary differential equations using very simple programming, including arrays. It is so

powerful that the model parameters may be defined as "sliders", which allow the effect of their change on the model behavior to be seen almost immediately. Data may be included for curve fitting, and sensitivity or multiple runs may be performed. The results can be viewed simultaneously on multiple-graph windows or by using overlays. The examples can be varied to fit any real situation, and the suggested exercises provide practical guidance. The extensive teaching experience of the authors is reflected in this well-balanced presentation, which is suitable for the teacher, student, biochemist or the engineer.

Brauwelt International Sep 10 2020

BridgesAug 10 2020 This book offers a valuable guide for practicing bridge engineers and graduate students in structural engineering; its main purpose is to present the latest concepts in bridge engineering in fairly easy-to-follow terms. The book provides details of easy-to-use computer programs for: · Analysing slab-on-girder bridges for live load distribution. · Analysing slab and other solid bridge components for live load distribution. · Analysing and designing concrete deck slab overhangs of girder bridges under vehicular loads. · Determining the failure loads of concrete deck slabs of girder bridges under concentrated wheel loads. In addition, the book includes extensive chapters dealing with the design of wood bridges and soil-steel bridges. Further, a unique chapter on structural health monitoring (SHM) will help bridge engineers determine the actual load carrying capacities of bridges, as opposed to their perceived analytical capacities. The chapter addressing structures made with fibre-reinforced polymers will allow engineers to design highly durable, economical and sustainable structures. This chapter also provides guidance on rehabilitating deteriorated structures with these new materials. The book also deals with the philosophy of bridge design without resorting to complex equations. Additional material to this book can be downloaded from http://extras.springer.com

klipsch-ksb-s1-user-guide ***Downloaded from*** diy-compressors.com ***on December 6, 2022 by guest***