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Proposed Model for Evaluating Information Systems Quality Based on Single Valued Triangular Neutrosophic Numbers Dec 21 2021 One of the most important reasons for information systems failure is lack of quality. Information Systems Quality (ISQ) evaluation is important to prevent the lack of quality.
An Extended VIKOR Method for Multiple Criteria Group Decision Making with Triangular Fuzzy Neutrosophic Numbers Jul 28 2022 In this article, we combine the original VIKOR model with a triangular fuzzy neutrosophic set to propose the triangular fuzzy neutrosophic VIKOR method. In the extended method, we use the triangular fuzzy neutrosophic numbers (TFNNs) to present the criteria values in multiple criteria group decision making (MCGDM) problems. Firstly, we summarily introduce the fundamental concepts, operation formulas and distance calculating method of TFNNs. Then we review some aggregation operators of TFNNs. Thereafter, we extend the original VIKOR model to the triangular fuzzy neutrosophic environment and introduce the calculating steps of the TFNNs VIKOR method, our proposed method which is more reasonable and scientific for considering the conflicting criteria. Furthermore, a numerical example for potential evaluation of emerging technology commercialization is presented to illustrate the new method, and some comparisons are also conducted to further illustrate

advantages of the new method.

Torsional Stiffness of Thin-walled Shells Having Reinforcing Cores and Rectangular, Triangular, Or Diamond Cross Section Dec 09 2020

The Metal Worker Pattern Book Nov 27 2019

An Intelligent Dual Simplex Method to Solve Triangular Neutrosophic Linear Fractional Programming Problem May 26 2022 This paper develops a general form of neutrosophic linear fractional programming (NLFP) problem and proposed a novel model to solve it. In this method the NLFP problem is decomposed into two neutrosophic linear programming (NLP) problem. Furthermore, the problem has been solved by combination of dual simplex method and a special ranking function. In addition, the model is compared with an existing method. An illustrative example is shown for better understanding of the proposed method. The results show that the method is computationally very simple and comprehensible.

A New Method of Calculating the Cubic Contents of Excavations and Embankments, by the Aid of Diagrams Apr 24 2022

Disjunctive Representation of Triangular Bipolar Neutrosophic Numbers, De-Bipolarization Technique and Application in Multi-Criteria Decision-Making Problems Nov 07 2020 This research paper adds to the theory of the generalized neutrosophic number from a distinctive frame of reference. It is universally known that the concept of a neutrosophic number is generally associated with and strongly related to the concept of positive, indeterminacy and non-belongingness membership functions. Currently, all membership functions always lie within the range of 0 to 1.

A Comparison of Three Methods of Mirror-image Reversal Discrimination with Kindergarten and First Grade Children Aug 24 2019

Triangular Cubic Hesitant Fuzzy Einstein Hybrid Weighted Averaging Operator and Its Application to Decision Making Oct 07 2020 In this paper, triangular cubic hesitant fuzzy Einstein weighted averaging (TCHFEWA) operator, triangular cubic hesitant fuzzy Einstein ordered weighted averaging (TCHFEOWA) operator and triangular cubic hesitant fuzzy Einstein hybrid weighted averaging (TCHFEHWA) operator are proposed. An approach to multiple attribute group decision making with linguistic information is developed based on the TCHFEWA and the TCHFEHWA operators. Furthermore, we establish various properties of these operators and derive the relationship between the proposed operators and the existing aggregation operators. Finally, a numerical example is provided to demonstrate the application of the established approach.

The Power Electronics Handbook May 02 2020 Less expensive, lighter, and smaller than its electromechanical counterparts, power electronics lie at the very heart of controlling and converting electric energy, which in turn lies at the heart of making that energy useful. From household appliances to space-faring vehicles, the applications of power electronics are virtually limitless. Until now, however, the

same could not be said for access to up-to-date reference books devoted to power electronics. Written by engineers for engineers, The Power Electronics Handbook covers the full range of relevant topics, from basic principles to cutting-edge applications. Compiled from contributions by an international panel of experts and full of illustrations, this is not a theoretical tome, but a practical and enlightening presentation of the usefulness and variety of technologies that encompass the field. For modern and emerging applications, power electronic devices and systems must be small, efficient, lightweight, controllable, reliable, and economical. The Power Electronics Handbook is your key to understanding those devices, incorporating them into controllable circuits, and implementing those systems into applications from virtually every area of electrical engineering.

Outline of the Method of Conducting a Trigonometrical Survey, for the Formation of Geographical and Topographical Maps and Plans Mar 24 2022

Two Ranking Methods of Single Valued Triangular Neutrosophic Numbers to Rank and Evaluate Information Systems Quality Aug 29 2022 The concept of neutrosophic can provide a generalization of fuzzy set and intuitionistic fuzzy set that make it is the best fit in representing indeterminacy and uncertainty. Single Valued Triangular Numbers (SVTrN-numbers) is a special case of neutrosophic set that can handle ill-known quantity very difficult problems.

Generalized Single Valued Triangular Neutrosophic Numbers and Aggregation Operators for Application to Multi-attribute Group Decision Making May 14 2021 In this study we define the generalizing single valued triangular neutrosophic number. In addition, single valued neutrosophic numbers are transformed into single valued triangular neutrosophic numbers according to the values of truth, indeterminacy and falsity. Furthermore, we extended the Hamming distance given for triangular intuitionistic fuzzy numbers to single valued triangular neutrosophic numbers. We have defined new score functions based on the Hamming distance.

Monthly Weather Review Sep 05 2020

Linear Programming Models and Methods of Matrix Games with Payoffs of Triangular Fuzzy Numbers Jul 16 2021 This book addresses two-person zero-sum finite games in which the payoffs in any situation are expressed with fuzzy numbers. The purpose of this book is to develop a suite of effective and efficient linear programming models and methods for solving matrix games with payoffs in fuzzy numbers. Divided into six chapters, it discusses the concepts of solutions of matrix games with payoffs of intervals, along with their linear programming models and methods. Furthermore, it is directly relevant to the research field of matrix games under uncertain economic management. The book offers a valuable resource for readers involved in theoretical research and practical applications from a range of different fields including game theory, operational research, management science, fuzzy mathematical programming, fuzzy mathematics, industrial engineering, business and social economics.

The Super Triangle Theorem Đ The New Theorems In math Nov 19 2021 In this book, by establishing a relationship between the numbers and the triangular format, and to represent it within the triangle, lead to discovery of calculation methods and new laws to extract the triangular numbers and find a relationship between Star of David Theorem and the Super Triangle Theorem. The objective of the study was to Find a new theories in mathematics and methods of calculation by a triangle of numbers or specific geometric shapes, where the numbers are placed a certain sequence within these formats. Suitable for this method to be a systematic way, can be studied or use in other sciences.

Dynamics and Mission Design Near Libration Points: Advanced methods for triangular points Feb 20 2022 The aim of this book is to explain, analyze and compute the kinds of motions that appear in an extended vicinity of the geometrically defined equilateral points of the Earth-Moon system, as a source of possible nominal orbits for future space missions. The methodology developed here is not specific to astrodynamics problems. The techniques are developed in such a way that they can be used to study problems that can be modeled by dynamical systems.

Methods of Instruction Dec 29 2019

The Triangle's Will Jan 10 2021 Oil and gas reserves have depleted at an exponential rate, suffocating world economies. Military dominance has been replaced by The Triangle. Three powerful multinational consortiums, sharing a common mission: To stop anyone trying to gain an economic advantage, and disrupting the status quo. The capitalists' will to survive is pitted against The Triangle's Will to control, in this winner-takes-all battle to secure a new energy source to fuel the world's insatiable appetite. Ben Crenshaw's team on the Accipiter space station is racing against time, politics, and an international team returning from a seven year deep space mission. The two teams, separated from the rest of the world, have relied on each other and trusted each other ... a trust that is about to be broken. With tensions rising on the ground, a new transgressor emerges, one that is not afraid to use force.

The Triangle of the Scene Oct 26 2019 In The Triangle of the Scene, veteran improv teacher and performer Paul Vaillancourt lays out a simple set of tools that enable improvisors old and new to use the three basic elements of a scene to super-charge their work and take it to the next level. In this book, Paul shows you how to better connect with your partner, how to use the 'where', and how to find the ever elusive game of the scene. The Triangle of the Scene is also the first improv book to use embedded videos to allow readers to see the book's exercises and techniques in action. With 30 years of experience performing and teaching improv Paul (the Co-founder of the iO West and member of the legendary improv group Beer, Shark, Mice) shares with you the techniques that he has used to help thousands of students become more fearless, confident, and powerful improvisors.

The shortest path problem in interval valued trapezoidal and triangular neutrosophic environment Jul 24 2019 Real-life decision-making problem has been demonstrated to cover the indeterminacy through single valued neutrosophic set. It is the extension of interval valued neutrosophic set. Most of the problems of real life involve some sort of uncertainty in it among which, one of the famous problem is finding a shortest path of the network. In this paper, a new score function is proposed for interval valued neutrosophic numbers and SPP is solved using interval valued neutrosophic numbers. Additionally, novel algorithms are proposed to find the neutrosophic shortest path by considering interval valued neutrosophic number, trapezoidal and triangular interval valued neutrosophic numbers for the length of the path in a network with illustrative example. Further, comparative analysis has been done for the proposed algorithm with the existing method with the shortcoming and advantage of the proposed method and it shows the effectiveness of the proposed algorithm.

Contributions to Location Analysis Feb 29 2020 This book is a volume in honor of Zvi Drezner's 75th birthday. Professor Drezner is a leading scholar in location science. He received his BSc degree in Mathematics in 1965 and his PhD. in Computer Science ten years later, both from the Technion in Haifa, Israel. Since 1978 he has published in excess of 300 papers in refereed journals and books. He has received many honors, among them the University Outstanding Professor in 2005-6, the Outstanding Research Award (both from Cal State-Fullerton), the Location Analysis Lifetime Achievement Award from the Society for Location Analysis, and was named a Lifetime Fellow in INFORMS.Zvi has worked in a variety of fields, but most prominently in continuous location models. His main contributions include a 1982 paper on competitive location analysis, which was the first contribution to formally use the von Stackelberg "leader-follower" concept in the plane, contributions in 1989 (along with many others) on the Weber problem, and work with Oded Berman on the p-median under uncertainty in 2008. He has also enriched the literature by many contributions that devise genetic algorithms and tabu search techniques (both heuristic algorithms), as well as global optimization techniques, such as the "big-triangle-small-triangle" method, applied to location problems.The chapters of the book have been chosen to provide readers with a large variety of topics in the field of location science, which normally are available only in many different specialist journals. In addition to easily approachable surveys, the contributions, written by the top specialists in the field, present the latest results as well.

Pacific Medical and Surgical Journal Jan 28 2020

Correlating Sensory Objective Measurements Sep 17 2021

Finite Element Mesh Generation Feb 08 2021 Highlights the Progression of Meshing Technologies and Their Applications Finite Element Mesh Generation provides a concise and comprehensive guide to the application of finite element

mesh generation over 2D domains, curved surfaces, and 3D space. Organised according to the geometry and dimension of the problem domains, it develops from the basic meshing algorithms to the most advanced schemes to deal with problems with specific requirements such as boundary conformity, adaptive and anisotropic elements, shape qualities, and mesh optimization. It sets out the fundamentals of popular techniques, including: Delaunay triangulation Advancing-front (ADF) approach Quadtree/Octree techniques Refinement and optimization-based strategies From the geometrical and the topological aspects and their associated operations and inter-relationships, each approach is vividly described and illustrated with examples. Beyond the algorithms, the book also explores the practice of using metric tensor and surface curvatures for generating anisotropic meshes on parametric space. It presents results from research including 3D anisotropic meshing, mesh generation over unbounded domains, meshing by means of intersection, re-meshing by Delaunay-ADF approach, mesh refinement and optimization, generation of hexahedral meshes, and large scale and parallel meshing, along with innovative unpublished meshing methods. The author provides illustrations of major meshing algorithms, pseudo codes, and programming codes in C++ or FORTRAN. Geared toward research centers, universities, and engineering companies, Finite Element Mesh Generation describes mesh generation methods and fundamental techniques, and also serves as a valuable reference for laymen and experts alike.

Principles and Methods of Junior High School Mathematics Mar 31 2020
Modern Perspective Apr 12 2021
The Rolling Moment Due to Sideslip of Triangular, Trapezoidal, and Related Plan Forms in Supersonic Flow Jun 02 2020 The variation of the rolling moment with sideslip and the variation of the derivative with aspect ratio and Mach number were investigated.
Characteristics of Thin Triangular Wings with Triangular-tip Control Surfaces at Supersonic Speeds with Mach Lines Behind the Leading Edge Aug 05 2020 A theoretical analysis, based on the linearized equation for supersonic flow, of characteristics of triangular-tip control surfaces on thin triangular wings. By restriction to case for which Mach lines from wing apex lie behind the leading edge, a simplified treatment was possible; results of previous work on lift of triangular wings could be used to derive expressions for lift effectiveness, pitching moment, rolling-moment effectiveness, hinge moment due to control deflection, and hinge moment due to angle of attack. Comparisons were made with two-dimensional case.
Building Age Mar 12 2021
A Treatise on Some New Geometrical Methods ...: The geometrical properties of elliptic integrals, rotatory motion, the higher geometry, and conics derived from the cone, with an appendix to the first volume Aug 17 2021