1. Record Nr. UNINA9910136043503321

Autore	Batterson Mark
Titolo	Circle Maker, The: Student Edition : Dream Big, Pray Hard, Think Long
Pubbl/distr/stampa	Zondervan
ISBN	0-310-75434-8
Descrizione fisica	1 online resource (208 p.)
Lingua di pubblicazione	Inglese
Formato	Musica
Livello bibliografico	Monografia
Sommario/riassunto	Pray Circles Around Your Greatest Dreams and Biggest FearsPrayer can sometimes be a frightening thing--how do you approach the maker of the world, and what exactly can you pray for? In this student adaptation of The Circle Maker, Pastor Mark Batterson uses the true legend of Honi the circle maker, a first-century Jewish sage whose bold prayer saved a generation, to uncover the boldness God asks of us at times, and what powerful prayer can mean in your life. Drawing inspiration from his own experiences as a circle maker, as well as sharing stories of young people who have experienced God's blessings, Batterson explores how you can approach God in a new way by drawing prayer circles around your dreams, your problems, and, most importantly, God's promises. In the process, you'll discover this simple yet life-changing truth:God honors bold prayers; bold prayers honor God. And you're never too young for God to use you for amazing things.Updated with discussion questions that tie to the Circle Maker video curriculum.

2. Record Nr. UNINA9910633927203321

Titolo	Advances in Engineering Research and Application : Proceedings of the International Conference on Engineering Research and Applications, ICERA 2022 / / edited by Duy Cuong Nguyen, Ngoc Pi Vu, Banh Tien Long, Horst Puta, Kai-Uwe Sattler
Pubbl/distr/stampa	Cham : , : Springer International Publishing : , : Imprint : Springer, , 2023
ISBN	3-031-22200-8
Edizione	[1st ed. 2023.]
Descrizione fisica	1 online resource (1010 pages)
Collana	Lecture Notes in Networks and Systems, , 2367-3389 ; ; 602
Disciplina	929.374 620
Soggetti	Engineering mathematics Engineering - Data processing Mechanical engineering Electrical engineering Mathematical and Computational Engineering Applications Mechanical Engineering Electrical and Electronic Engineering
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Intro -- Preface -- Keynote 1: In-Database Machine Learning for the Masses -- Keynote 2: Advances in Decarbonizing the US Economy and Net-Zero Energy and Latest Research in Energy Efficiency -- Keynote 3: Isogeometric Finite Elements: Motivation, Implementation, and Applications -- Keynote 4: Fuzzy Modeling and Decision-Making Applications in Engineering Science -- Contents -- Cost Optimization Study for Two-Stage Helical Gearbox with Second Stage Double Gear Sets -- 1 Introduction -- 2 Methodology -- 2.1 Calculation of Gearbox Cost -- 2.2 Calculation of Gear Mass -- 2.3 Calculation of Shaft Mass -- 2.4 Calculation of Gearbox Housing Mass -- 2.5 Calculation of Bearing Cost -- 2.6 Optimization Problem -- 3 Experimental Work -- 4 Results and Discussions -- 5 Conclusions -- References -- A Design and Implement of Fuzzy Controller for Taking-

off and Landing for Unmanned Aerial Vehicles -- 1 Introduction -- 2 System Description -- 3 Design the Input and Output of Fuzzy Controller -- 3.1 Ultrasonic Sensor -- 3.2 Design Fuzzy and PID Controller for UAV -- 4 Results and Discussion -- 5 Conclusions and Future Work -- References -- A Detailed Procedure of Squirrel-Cage Three-Phase Induction Motor Parameter Estimation Using Polynomial Regression -- 1 Introduction -- 2 Materials and Methods -- 2.1 Motor Input Impedance -- 2.2 Polynomial Regression -- 2.3 Mechanical Parameter Estimation -- 3 Experimental Validation -- 3.1 Electrical and Mechanical Parameter Identification -- 3.2 Comparison Between the Actual and Simulated Start-up Speeds -- 4 Conclusion -- References -- A Hybrid Energy Sliding Mode Controller for the Rotary Inverted Pendulum -- 1 Introduction -- 2 System Modeling -- 3 Control Problem -- 4 Simulation and Results -- 5 Conclusion -- References -- A Neural Network-Based Fast Terminal Sliding Mode Controller for Dual-Arm Robots -- 1 Introduction.
2 Dynamics of the Dual-Arm Robot-Object System -- 3 Fast Terminal Sliding Mode Controller Design -- 3.1 Design Control Law -- 3.2 Update Law for NN Weighs -- 4 Simulation Results -- 5 Conclusion -- References -- A Novel Approach for Determination of Main Dimensions and Armature Reactions of Axial Flux Permanent Magnet Generators -- 1 Introduction -- 2 Determination of the Main Dimensions -- 3 Application Problems -- 4 Investigation of Influence of Armature Reactions -- 4.1 No-Load Operation -- 4.2 Rated Load Operation -- 5 Conclusion -- References -- A Prototype of Lotus Fiber Extracting Machine -- 1 Introduction -- 2 Overall Structure Design of the Auto Lotus Fiber Extracting Machine -- 2.1 Overview of the Structure -- 2.2 Workpiece Feeding Module -- 2.3 Fiber Pulling Module -- 2.4 Fiber Spinning Module -- 3 Hardware Design -- 4 Result and Discussion -- 5 Conclusions -- References -- A Simulation Investigation of Dynamic Wheel Load of a Heavy Truck with Hydro-Pneumatic Suspension System -- 1 Introduction -- 2 Mathematical Model of HPS Strut -- 3 Three-Dimension Dynamic Model of a Mining Dump Truck -- 4 Results and Discussion -- 5 Conclusions -- References -- A Study of Kinematics, Dynamics of the Stair Climbing Wheelchairs -- 1 Introduction -- 2 Modeling the Stair Climbing Mechanism -- 3 Calculation of Kinematics, Dynamics of the Stair Climbing Wheelchairs -- 3.1 Worm-Gear Transmission -- 3.2 The Synchronous Belt Transmission -- 3.3 Planetary Gear Transmission -- 4 Conclusion -- References -- A Study of Polygonal Holes Machining Using Attachment -- 1 Introduction -- 2 Theoretical Method -- 3 The Constructing Model -- 4 Conclusion -- References -- Study on Multi-criteria Decision Making in CBN Grinding SKD11 Tool Steel -- 1 Introduction -- 2 Methodology -- 2.1 Method for Multi-criteria Decision Making.
2.2 Method for Calculation of the Weight of Criteria -- 3 Experimental Setup -- 4 Determining the Best Alternative When CBN Grinding SKD11 Tool Steel -- 4.1 Calculating the Weights for the Criteria -- 4.2 Finding the Best Experimental Setup Using MOORA Method -- 5 Conclusions -- References -- Study on Multi-criteria Optimization in CBN Grinding SKD11 Tool Steel -- 1 Introduction -- 2 Experimental Work -- 3 Multi-objective Optimization -- 4 Results and Analysis -- 5 Conclusions -- References -- A Study on Optimization of Helical Worm Gearboxes Based on Volume Function -- 1 Introduction -- 2 Methodology -- 2.1 Gearbox Volume Analysis -- 2.2 Calculating Center Distance and Pitch Diameters of Helical Gear Drive -- 2.3 Calculating Center Distance and Pitch Diameters of Worm Drive -- 3 Experimental Setup -- 4 Results Discussion -- 4.1 The Influence of Input Parameters and Their Interactions -- 4.2 Determining Regression Model for Calculating u2 --

4.3 Analysis of Variance-ANOVA -- 4.4 Validation of Proposed Model -- 5 Conclusions -- References -- A Study on Wearing and Tool Life of Shredding Machine Cutters When Cutting Fabric Industrial Waste -- 1 Introduction -- 2 Wearing and Tool Life of Cutters -- 3 Machining Regime Optimization -- 3.1 Machining Capacity -- 3.2 Optimization According to the Objective Function of the Maximum Productivity -- 4 Conclusions -- References -- A System Engineering Approach to Model and Implement Planar Trajectory-Tracking Controllers for Autonomous Underwater Vehicles -- 1 Introduction -- 2 AUV Dynamics and Control Structure -- 2.1 AUV Dynamic Model for Control -- 2.2 General Control Structure for an AUV -- 3 Specializing the Model-Driven Architecture to Develop the AUV'S Planar Trajectory-Tracking Controller -- 3.1 Defining the Computation Independent Model -- 3.2 Building the Platform Specific Model.
3.3 Constructing the Platform Specific Model -- 4 Application -- 5 Conclusion and Future Work -- References -- Active Disturbance Rejection Control of an Antagonistic Muscle -- 1 Introduction -- 2 System Description -- 3 Active Disturbance Rejection Controller Design -- 3.1 System Modeling -- 3.2 Controller Design -- 4 Experimental Results -- 5 Conclusion -- References -- An Approach for Optimizing the Hedge-Algebras-Based Controller and Application in Structural Vibration Control -- 1 Introduction -- 2 Investigated Model -- 3 Control Design -- 4 Numerical Simulation -- 5 Conclusion -- References -- An Enhanced Hybrid Jaya Algorithm for Size Optimization of Truss Structure Under Frequency Constraints -- 1 Introduction -- 2 Definitions of the Problems -- 3 Optimization Algorithms -- 3.1 Differential Evolution -- 3.2 Jaya Algorithm -- 3.3 An Enhanced Hybrid Jaya Algorithm -- 4 Numerical Example -- 4.1 Effects of Mutant Vector, 1, 2 and 3 -- 4.2 Comparison with Other Methods -- 5 Conclusion -- References -- An Evaluation of Some Specifications of Turbine Blades Made by 3D Printing Technology and Processed on CNC Milling Machines -- 1 Introduction -- 2 Research Sample and Measuring Device -- 2.1 Specifications of Turbine Blades -- 2.2 Turbine Blade Design -- 3 Machining Turbine Blades on CNC Milling Machines -- 4 Manufacture of Turbine Blades by 3D Printing Technology -- 5 Results and Discussion -- 5.1 Microstructure -- 5.2 Surface Roughness -- 5.3 Diameter Ø1, Ø2 -- 6 Conclusion -- References -- An Optimal Cascade Reservoir Operation Based on Multi-objective Water Cycle Algorithm -- 1 Introduction -- 2 Cascade Reservoir Optimal Scheduling Model -- 3 Multi-objective Water Cycle Algorithm -- 3.1 The Mechanisms and Strategies -- 3.2 Multi-objective Water Cycle Algorithm (MWCA) -- 4 Optimal Cascade Reservoir Scheduling with MWCA.
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-- References -- Application of MARCOS Method for Selecting the Best Schema of Scissors Mechanism -- 1 Introduction -- 2 Methodology -- 2.1 Method for Multi-criteria Decision Making -- 2.2 Method for Calculation of the Weights of Criteria -- 2.3 Method for Determine Lift Table Schema -- 3 Calculation of the Output Responses of the Lift Table -- 4 Determining the Best Schema for Scissors Mechanism -- 4.1 Determining the Criteria Weights -- 4.2 Determining the Best Schema of Scissors Mechanism by Using MARCOS Method -- 5 Conclusions -- References -- Application of MCDM Method in Selection of Schema for Optimal Design of Double Scissor Lift Tables -- 1 Introduction -- 2 Methodology -- 2.1 Method for Multi-criteria Decision Making -- 2.2 Method for Criation Weight Determination.
2.3 Method for Determing Double Scissor Lift Table Schema.

Sommario/riassunto

The International Conference on Engineering Research and Applications (ICERA 2022), held on December 1-2, 2022, at Thai Nguyen University of Technology in Thai Nguyen, Vietnam, provided an international forum to disseminate information on latest theories and practices in engineering research and applications. The conference focused on original research work in areas including mechanical engineering, materials and mechanics of materials, mechatronics and micro mechatronics, automotive engineering, electrical and electronics engineering, information and communication technology. By disseminating the latest advances in the field, the Proceedings of ICERA 2022, Advances in Engineering Research and Application, assists academics and professionals alike to reshape their thinking on sustainable development.