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Altri autori (Persone)	XuB LiH. Y
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Nota di contenuto	Research on Mechanical Engineering, Civil Engineering and Material Engineering; Preface, Committees and Sponsors; Table of Contents; Chapter 1: Mechanical Engineering and Mechanical System; Study on Mechanical Automation with Automatically Adjustable Seat Based on Mechanical Properties; Analysis of Fatigue Damage for Offshore Wind Turbine Substructure; The Research and Design of Intelligent Battery Charger for Electric Vehicle; Finite Element Analysis of a Certain Heavy Vehicle Gear Box; Research on the Development of Agricultural Mechanical Automation in Mechanical Engineering Analysis of Working Condition and Load Direction for Tripod Substructure of Offshore Wind Turbine The Rotation Speed Control of DC Servo Motor Based on Fuzzy-PI Dual Mode; Route Planning of Geomagnetic Aided Navigation for Vehicle under Matching Suitability Constraints; Risk Assessment of Gravity Dam with Machine Properties; Integral Sliding Mode Control Based on Exponential Approach Law for Brushless Double Fed Machines; Temperature Measurement Algorithm Research of Boiler Furnace Based on BP Network

Study on Influence of Divided Conductor with Mechanical Properties on Operating over Voltage in Power System Based on the Mechanical Arm of the Polar Rescue Intelligent Control System; Mechanical Design and Study on Showing Platform of Rotation and Vertical Reciprocation; Study on Mechanical Engineering for Flight with Flight Safety Evaluation Method on Relevance Vector Machine; Study Based on Hybrid Bounding Volume Hierarchy for Collision Detection in the Virtual Manipulator; Fault Analysis and Treatment of CNC Machine Tool Servo System Research and Design of Walking Mechanism of Robot and the Parameterization Modeling Based on the UG Study on Mechanical Properties for Modeling and Simulation of Microneedles for Medical Applications; Extended NGM (1,1,K) Model and its Application to Spectral Prediction of Military Launch Vehicle Hydraulic System; Study on Mechanical Wear State in Military Launch Vehicle Hydraulic System with Knowledge Discovery from Analytical Ferrography; The Study of the Parameterization of the Drum Brake Design Based on UG Study on Error Analysis of On-Line Measurement System Based Numerical Control Process Fluorescent Sensors for Mg(II) Based on Phthalocyanine PcOC8; Experimental Study on the Parameters of Service Life of Rolling-Bearings; Study of the Kinematics for the Serial Robot on the Controllable Polishing Force; Grinding Spindle Improvement Based on Structure Optimal Design; Chapter 2: Civil Engineering and Applied Technologies; Research of Brittle Shear Failure Strength of Rock Materials; Elasto-Plastic Analysis of Soil around Tubular Pile Based on Triple Shear Unified Yield Criterion Numerical Analysis of Stratified Rock Slope Stability Based on 3DEC

Sommario/riassunto

Collection of selected, peer reviewed papers from the 2013 International Conference on Mechanical Engineering, Civil Engineering and Material Engineering (MECEM 2013), October 27-28, 2013, Hefei, China. The 63 papers are grouped as follows: Chapter 1: Mechanical Engineering and Mechanical System; Chapter 2: Civil Engineering and Applied Technologies; Chapter 3: Material Engineering and Application of Materials
