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Altri autori (Persone)	YangAimin DuWenjiang
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Nota di contenuto	Advances in Intelligent Structure and Vibration Control; Preface, Committees and Reviewers; Table of Contents; Chapter 1: Advanced Intelligent Structure; Thermal Analysis and Cooling Optimization of the Built-In Micro Projector; The Oxygen-Ion Diffusion and Phase Transition in the La ₂ Mo ₂ -xW _x O ₉ Samples Measured by Internal Friction Method; Research and Analysis on Electrolytic Preparation of High Purity Potassium High-Speed Rail Technology; A Simplified Method for Calculating Ultimate Strength of Pressure Hull in Deep-Sea Manned Submersible A Novel Approach of Multiscale Feature Extraction for Gearbox Condition MonitoringVibration Suppression of Flexible Parallel Manipulator Based on Sliding Mode Control with Reaching Law; Dynamic Characteristics Analysis for Fluid-Solid Coupling of Vertical Lifting Pipe in Transporting Coarse Particles; Analysis of Loads at Crankshaft Bearing for Scroll Compressor; A Way to Improve Eddy Current Sensor Measurement Accuracy; An Obstacle Recognition

Method Based on Improved PSO-WNN for Deicing Robot on Voltage Transmission Line; An Approximate Algorithm for Shakedown on Gear Contact

Self-Vibration Characteristics of Plane Gate in Inverted Siphon

ProjectThe Stress Analysis of Pressurized Cylindrical Shell with a

Surface Crack under Laser Irradiation; Chapter 2: Bio-Inspired Smart

Materials and Applications; Experimental Study of Kick up Phenomenon

in Thermosonic Wire-Bonding; Research Development and Application

of Green Cutting Technology; Nonlinear Seismic Response Analysis of

Concrete Perforated Brick Masonry Building; Transportation of Droplets

within Two Substrates by Help of Surface Acoustic Wave

Influences of Heat Treatment on Spinning Process with Large Thinning

Rate and Performance of 30CrMnSiAThe DNA Genetic Algorithm

Applied for Solving Optimal Placement of Sensors; Research on an

Improved Cellular Automata Model; Control Algorithm Research of

Electric Actuator Based on Switched Reluctance Motor; Study on

Structure Including Interface Based on Interface Stress Element Method;

A Probability Assessment Method for Degradation of Bridge Power

MOSFET Circuit Based on Common Turn-On State

Determining the Soil Water Characteristic Curve in Term of Van

Genuchten Parameters by the Particle Swarm OptimizationA Novel

Peak-Seek Algorithm Used in FBG Sensor Demodulation System for

Vibration Monitoring; Nonlinear Vibration Analysis of Viscoelastic

Isolator; Automatic Recognition of Aircraft Noise with PLP Method; Test

Analysis on the Model of Expression Based on the Thematical Statistic

Method; Research on Suppression Technology of OFDM Peak-to-

Average Power Ratio; Reduction Algorithms for Multi-Covering

Information System

Development and Application of Four Typical Rapid Prototyping Technologies

Sommario/riassunto

The aim of this special volume is to facilitate the exchange of information on the best practices to be adopted in Advanced Intelligent Structure, Bio-inspired Smart Materials and Structures, Active Materials, Mechanics and Behavior, Vibration and Control, Modeling, Simulation, Control and Applications, etc. It provides the opportunity for engineers and scientists in academia, industry and government to address the most innovative research and development, including technical challenges, social and economic issues, and to discuss their ideas, results, work-in-progress and experience in all asp

2. Record Nr.	UNIORUON00494508
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