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The Review of Nonlinear Dynamic Characteristics of Rolling Bearing Performances Based on Poor Information theory

Xin Tao XIA, Yuan Yuan QIN, Ming QIU

Department of Mechanical Engineering, Shanghai Jiao Tong University, China

Keywords: Information-poor theory; Uncertainty; Function polytrope; Chaos; Nonlinear dynamics

2.

The Advances of the Prediction of the Performance and Reliability of Rolling Bearings with Poor Information

Xintao Xia, Yanyan Meng Ming Qiu

Department of Mechanical Engineering, Xi'an Jiaotong University, China

Keywords: rolling bearing, performance, reliability, poor information.

3.

SYNTHESIS AND CHARACTERIZATION OF Ni-NPs.

M. Hemalatha, N. Suriyanarayanan, S.Prabahar

Department of Chemistry, Anna University, India

Keywords: Nanoparticles; Structural; Magnetic materials; Nickel; Synthesis.

4.

Study of Sound Properties of HDPE / SIS Polymer Composites

Sezgin Ersoy, Yalçın Boztoprak

Department of Materials Science, Istanbul Technical University, Turkey

Keywords: sound absorption, impedance ratio, HDPE-SIS blends

5.

FAR-FIELD BEHAVIOR OF WAVES IN A NON-IDEAL RELAXING GAS

Mohd. Junaid Siddiqui, Rajan Arora, V.P. Singh

Department of Physics, Indian Institute of Technology, Delhi, India

Keywords: Shock Waves, Far Field Behavior, Burger\'s equation.

6.

Investigating a power tiller handle and seat vibration on transportation mode

Andrew Patel, Nicholas Santos

Department of Mechanical Engineering, Lund University, Sweden

Keywords: Vibration, operator, handle, seat, power tiller, 1/3rd octave, and exposure limits

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7.

Traveling wave solutions of the fractional generalized Kuramoto-Sivashinsky equation by fractional sub-equation method

Steven Kumar, Joshua Costa, Maria Schmidt

Department of Mathematics, University of São Paulo, Brazil

Keywords: Travelling wave solutions; Hyperbolic functions; Trigonometric functions; Fractional sub-equation method; Fractional Generalized Kuramoto-Sivashinsky equation.

8.

Genetic Algorithm based Speed Control of a Switched Reluctance Motor

S.Govindasamy\nAssistant professor\nPaavai Coll of Engg,Namakkal\n\n.C.Manoharan\nPrincipal\nAMS Engineering Coll, Namakkal.

Department of Electrical Engineering, Paavai College of Engineering, India

Keywords: SRM, PID, Genetic Algorithm, Fitness Function, SIMULINK

9.

DESIGN AND ANALYSIS OF BUCK/BOOST CONVERTER WITH QZSI FOR WIND ENERGY CONVERSION SYSTEM

I. GNANAMBAL\nAssociate Professor, Department of Electrical and Electronics Engineering, Govt. College of Engineering, Salem – 636 011, Tamil Nadu, India.\nG.BALAJI\nAssistant Professor, Department of Electrical and Electronics Engineering, Paavai\nEngine

Department of Electrical and Electronics Engineering, Government College of Engineering, Salem, Tamil Nadu, India

Keywords: Wind Turbine, PMSG, Buck-Boost Convertor, Quasi Z Source Inverter, and PID Controller

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10.

Load Sharing Of Converter Using Interleaved Technique

K.Arutselvan\n Assistant Professor/EEE, Paavai College of Engineering\nProf.Dr.C.Manoharan,\n Principal, Archana Institute of Technology

Department of Electrical and Electronics Engineering, Paavai College of Engineering, Tamil Nadu, India

Keywords: Interleaved Converter, Series motor.

11.

Estimation of Software Quality Parameters using Combination of Quality Function Deployment and Messy Genetic Algorithm

Manuj Darbari, Himanshu Pandey

Department of Computer Science, Indian Institute of Technology, Kanpur, India

Keywords: Software Quality Parameters, QFD, Messy Genetic Algorithm.

12.

Evaluating Mechanical Properties of Nanoplatelet Reinforced Composites under Mechanical and Thermal Loads

Anna Mueller, Laura Fischer

Department of Mechanical Engineering, Charles University, Czech Republic

Keywords: Analytical modeling, Nanoplatelet reinforced composites, Stress transfer, Elastic modulus

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13.

Improvement of desulfurization performance of R. erythropolis IGTS8 by assembling of spherical mesoporous silica nanosorbents on the surface of the bacterial cells

Sofia Weber, Elena Becker

Department of Biotechnology, Sapienza University of Rome, Italy

Keywords: Rhodococcus Erythropolis IGTS8; Dibenzothiophene; Biodesulfurization; Mesoporous Silica

14.

The Impact of Mobile Phone on the Performance of University Students

Jangraiz Khan, Suleman Amin

Department of Psychology, University of Peshawar, Peshawar, Pakistan

Keywords: Mobile Phones, University Students, SMS, University of Peshawar, Odds Ratio

15.

Open Book Exams in Higher Education: A Systematic Review of Effectiveness, Challenges, and Implications

A.V. Shunko, D.Azerbayev, Z. Mukhambet, D.Sinkov

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Keywords: examination, higher education, open-book, exam, pedagogy, testing.