Contents

Volume 12 Number 32(Sum 249)

Papers

Mathematics

Application Research on Weight Coefficients of the Combination Forecasting Method …… DAI Hai-bo, SHAN Rui, LIU Wen(8497)

Mechanics

Numerical Study of Crosswind Stability of a High Speed Train …… SUN Zhen-xu, YAO Shuan-bao, GUP Di-long, YANG Guo-wei(8497)

Numerical Analyse of Ellipsoidal Shaped Charge Penetration into Concrete …… ZHU Xiao-xi,ZHU Feng(8506)

Geoscience

The Terrestrial Frame Rotation and Geographic Representation of GPS Velocity Field based on ArcGIS …… LIANG Shi-ming, GAN Wei-jun, CHEN Wei-tao, SHENG Chuan-zhen, XIAO Gen-ru(8506)

The Influence of Impact Position to the Offshore Platform Response under Impact Load …… ZHOU Guo-bao, WANG Lin, QU Yan-mo, WAN Le-kun(8512)

General Science Teclnology

An Algorithm for Fast Computation of Large-scale Network Reliability Bounds …… YIN Xing, DENG Hong-zhong, LUO Qiang(8526)

Petroleum Technology

New Method to Confirm the Starting Pressure Gradient for Low Permeability Reservoir …… LIU Jie,ZHAO Xiu-juan, LIAO Xin-wu,CHAI Shi-chao,HAO Zhen-ping(8520)

Experimental Study and Modeling of ASP Flow in an Annulus with Existence of the Centralizer …… ZHANG Quan, WANG Zhi-ming, ZHAI Yu-jia, WEI Jian-guang, JIANG Yu-mei(8526)

Weapon Technology

An Echo Signal Integration and Processing Scheme Based on Laser Scatter …… CUI Dong-feng,WANG Xiao-mei, LV Zhi-liang,HUANG Yu-da(8531)

Communicational Technology

The Relationship among Luminous Flux Loss, Color Shift and Voltage-current Characteristics …… XIAO Hai-qing, RAO Feng,XU He-cheng,TIAN Qian(8535)

Study on Vision Target Tracking Method by Particle Filter under Occlusion …… SUN Qiao,ZHANG Sheng-xiu,LI Xiao-feng(8538)

The Ship Contained Large Control System Adaptive Tracking Technology Research …… HU Jin-hui,HUANG Kun, LI Zhi-jian,CHEN Xiao-gang(8542)

Computational Technology

Research on Wear Particle Recognition Based on Self-adapting Support Vector Machine …… SHI Hong,ZHANG Shuai,LI Ang(8552)

Research on the Fuzzy Dynamic Feedback Scheduling Algorithm of NCS Based on the Limited Bandwidth …… WANG Zuo-huang(8552)

Database Watermarking Algorithm Based on Chinese and English Character Attribute … ZHANG Li-zhong,ZHANG Yan(8557)

Screen-based Large Scope Electromagnetic Environment Rendering …… DU Xiao-lei, YANG Bing, FU Xue-jing(8563)

Chemical Industry Teehnology

Study on Preparation and Surface of CeO_x and ZnO Nanocomposite Powders …… GUO Shu-xia, LI Ji-wu, LI Zhong-yang(8613)

Architectural Technology

Analysis of Spatial Dynamic Stability for Thin-Walled Circular Arches with Open-Section …… DONG Ning-juan, ZHAO Hong-jin(8573)

A Numerical Simulation on the Consolidation of Geotextile Tube …… PENG Yang(8578)

Hyelraulic Technology

Verification of 3-D Numerical Model for Open-channel Flows based on Fluent …… LU Jing, WANG Xiang-dong, Guan Jian-zhao, WANG Zhao-yan(8582)

Aeronautics and Astronautics

Particle Image Velocimetry Based on Optical Flow …… MA Peng-fei, YANG Jin-xiao(8587)

Study and Optimization on Typical Folding Mechanism's Wear Life …… ZHANG Juan,ZHANG Lei, WEN Zhi-xun,LI Zuo-jun(8591)

Optical Fiber Sensor Used in Measurement of Aero-engine Blade Tip Clearance …… ZHANG Can, YANG Xun(8594)

Research on Controlling Targets Information Distribution Base on Targets Grouping …… HU Xun-qiang, ZHANG Qun-qi, XIE Xiao-fang(8600)

Research on Fault Detection and Fault-tolerant for Integrated Navigation System Based on Federated Kalman Filter Method …… YANG Chang-lin, OU Di-dong, LIU Yan-fei(8605)

Survey

Petroleum Technology

The Research Status and Progress on Percolation Mechanism of Tight Gas Resvervoir …… YANG Zhao-peng,GAO Shu-sheng, LIU Guang-dao,XIONG Wei,HU Zhi-ming, Ye Li-you, Yang Fa-rong(8613)

Research Notes

Mathematics

The Numerical Analysis of the Ruin Probability Upper of a Dependent Risk Model …… QIAO Ke-lin, LIU Feng-feng,ZHAO Yang(8621)

Developing Support Software for Rapidly Predicating the Formation-sensitivity with Analytic Method of Single Correlation and Multiple Regression …… ZHU Bin(8621)

Studies on Transportation Network Optimization in Zhuhai City …… XU Xiao-hong,LIU Wei,JIANG Ming-jie(8627)

Chemics

Evaluation on the Uncertainty of the Arsenic Measurement in Geochemical Samples by Hydride Generation-atomic Fluorescence Spectrometry …… HU Yu(8653)

Geoscience

Point Cloud Plane Extraction Based on Line by Line Region Growth …… FU Dan-dan, ZHOU Shao-guang, TIAN Hui(8636)

Biology Sciences

Comparison of Growth and Recombinant Adenovirus Production Yield in the Trex – 293 Adherent and Suspension Culture …… QUAN Hong-hua, JIN Hyun-tak, SUNG Young-chul(8641)

Experimental Study on Softwood Cutting Propagation of *Ginkgo Biloba* at Different Ages …… WANG Yong-ge,

CHANG Wei-min,CONG Ri-chen(8644)

Mining Technology

Research of A Macro Program for Bolt Hole Patterns Based on EXCEL …… QIAN Dan-hao,LIU Ping-ping (8647)

Petroleum Technology

Analysis of Geological Factors of the High-viscosity Elastic Polymer Flooding …… JIANG ying-shu(8653)
Study on Characteristics of He3Ⅰ-Ⅲ Reservoir in the Shuanghe Oilfield,Henan …… LI Jiao-na,SHI Shang-ming,HU Xia(8657)
Numerical Reservoir Simulation Method for Reservoir Fluid Distribution Gaotaizi …… XIE Xin, JIA Dong-mei(8662)
Deep Water Drilling Debris Concentration Distribution and the Lag Time Calculation …… WANG Hao(8662)
Research on Measurement Data while Drilling Denoising Based on WT …… YIN Lei (8666)
Development Effect Evaluation and Remaining Oil Quantitative Investigation in Complex Fault Block Oil Reservoir at High Water-cut Period——Take A Fault Block of Shengli Oil Field as Example …… MENG Hao, WANG Yi-ning, HAO Shi-meng, TENG Man(8671)
Affection Analysis Method of Parameter Coupling for Fractured Horizontal Well Patterns in Tight Reservoir …… TIAN Leng, HUO Ming-hui, FAN Jian-ming,LI Wei-bing(8694)
Improvement on the Technology Limits of Layer Combination in Fault Block Reservoir of Shengli Oilfield … WU Gang(8678)
The Successful Application of the DL Profile Modification and Acidizing Integration Technology in the High-pressure Injection Well of JIA 37—53 …… LIU Li-wen, ZHANG kang-wei, LI Hai-kun, LIU Gang(8683)
The Experiment Research of the Influencing Factor of the Polymer Confected by Sewage …… WEI Wei, WANG Min, WANG Lei, JIANG Xiao-yuan(8686)
Research of Surfactant/Polymer Driving's Temperature Limit …… CONG Sunan, LIU Weidong(8689)

Instrumental Technology

Based on the Fuzzy Reliability Design of Mechanical Parts …… DENG Lin-xing(8694)

Power Technology

Study on Synthesis of Biodiesel from Lard with Base Catalysis …… WU Chuang(8711)

Communicational Technology

Design and Implementation of Programmable Semiconductor Pulse Seed Laser Used in MOPA …… WU Wen-hua, XIE Jun-hua(8721)
A Design of Class AB Balanced Power Amplifier …… ZHANG Zuo-long, XIONG Xiang-zheng(8706)
A Timing Synchronization Algorithm Based on the Maximum Average Power …… GONG Yue-zhou ,ZHOU Xin-li, WANG Wen-yan,SUN Xiao-dong(8711)
Influence Factors and Solutions on Routing Performance of Wireless Ad hoc Networks …… LU Zhong-ning,KANG Guo-lei(8716)
Based on the IAPIT Wireless Sensor Network Localization Algorithm Research …… ZHU Lun, LIU Xin(8721)
An Improved Algorithm for Zigbee Tree Routing ATSPF …… ZHOU Xin, LI Yong(8729)
The Research of Electromagnetic Wave Characteristic Affected by Atmosphere Refractive Index …… WANG Wen-yan, ZHOU Xin-li, XIAO Jin-guang(8729)
Design and Implementation of the Signal Adapter for XX Trial Ship's Time-synchronization Subsystem …… XIANG Jun, RUAN Da-tong(8749)

Computational Technology

Program Design of Submersible Motor Magnetic Control Start Controller Based on PLC … HE Li, WANG Xin-gang(8736)
The Design and Implementation of a Monitoring Decice which Can Parallel Control Muti-recorders …… CHEN Cheng, ZHANG Hui-xin, YE Yong, PEI Xiang-dong(8741)
Design and Research of the Static Transfer Switch Based on DSP …… LIU Zheng-hai,SHEN Meng-liang, WAN Zhen-gang,YANG Jian-dong(8756)
Robust SIFT Image Matching Algorithm Based on Unsupervised Learning …… LI Chang-rong(8749)
Bidirectional Mapping Strategy of Heterogeneous Data Model Based on Metadata-driven …… HUANG Gang, YUAN Man,WU Xiu-ying,CEHN Xing-tong(8756)

Chemical Industry Teehnology

The Magnesium Lithium Ratio Determination of Salt Lake Brine Precipitation Separation and the Preparation of Lithium Carbonate …… CUI Xiao-qin,LI Jing,LIU Kun, CHENG Fang-qin,GUAN Yun-shan(8760)
The Research on Synthesis of 5,5'-methylenedisalicylic Acid …… LI Wei-na,GAN Hong-guang,HE Tiao-jun, YU Lian,CUI Li-li,HUANG Ling(8766)
Effect of Incorporation Sequence on Silica Compound Properties …… GAO Song, ZHAN Zhi-ming, MA Qiu-ping, ZHANG Hua, LEE Ick-man, JIN Dong-woo, DU Shao-zhong(8766)

Civil Industry Technology

Improvement of Packet Film Heat-sealing Device in GDX2 Wrapper …… ZENG Xue-shu,HE Bang-gui(8769)

Architectural Technology

Critical Width-to-thickness Ratio of Concrete-filled Rectangular Thin-walled Steel Tube Columns under Force Loading …… HOU Hong-wei, GAO Xuan-neng, ZHANG Hui-hua(8780)
The Analysis of the Correlativity between Fixed SPT Counts and the Physical Parameter of the Cumulosol in the South District, Kunming,Yunnan Provence …… LIU Peng, XU Shiguang,LI Chenchen(8776)
Studying on the Method of Insulation Thickness of External Walls for Residential Buildings …… WANG Jin-kui,XU Hao-jun, SHAO Xu(8780)
Numerical Study of the Damping Mechanism of the Tuned Liquid Damper …… ZHAO Kun, ZHANG Run-Xian, HU Wen-jian, ZHU Wei-hua, ZHU Feng(8802)
Simulation and Analysis on Leakage and Diffusion of Indoor Gas …… WANG Xiao-hua(8787)

Hyelraulic Technology

FSI Dynamic Characteristics Analysis of Gravity Dam Based on ADINA …… ZHAO Kun, WANG Qing-chun, ZHANG Yang, ZHANG Jing-yuan, ZHU Wei-hua, ZHU Feng(8792)

Traffic and Transpotation

Analysis on the Strength Enhancement Design of Engine Mount Based …… BAI Kun-hai(8797)

Aeronautics and Astronautics

VA-One of a Turbulent Boundary Layer Noise Calculation Method-based Simulation Analysis … DONG Ning-juan, PAN Kai(8802)
Analysis of the Use Reliability and Failure on the Aviation Motor of General Aircraft TB—200 …… LU Wei(8806)