

Contents

Papers

Geoscience

An Approach of Mobility Pattern Analysis Based on GPS Location YANG Qiang, SU Xiao-fan, HUANG Bin(1409)

Petroleum Technology

Research on Middle-shallow Layer Reservoir Characteristics at T Area in W Oilfield in East China DONG Ya-dong, FAN Xing-yan, YUAN Zhi-yun, REN Tao, XIAO Gao-jie, ZHAO Jian(1436)

Well Production Evaluation of Acid Fracturing Well in the Low-permeability Gas Reservoirs XIONG Jian, MA Qiang, XIAO Feng, MA Qian(1422)

Research and Application of Permitted Rheological Parameter Control Window of Drilling Fluid YAO Ru-gang, JIANG Guan-cheng, LI Wei, ZHANG Hong-xia(1427)

Influence Law Research of Reservoir Depletion on Borehole Stability in Shale Cap ZHAO Kai, DENG Jin-gen, TAN Qiang, YU Bao-hua, YUAN Jun-liang(1431)

Study and Application of Reverse Circulation Well Killing Theory for Overflow of the Gas Well YIN Hu, ZHANG Jie, SUN Jian, GUO Pu ,XU Jian-ming(1436)

Optimization of Fracture Parameter of Near Production and Far Injection for Horizontal Wells Fracturing on Offshore Oilfields LI Zhi-qiang, HU Yong-quan, ZHAO Jin-zhou, XU Wen-jiang, REN Lan(1441)

Study on Properties of Natural Gas Hydrate Inhibitor BVP QUAN Hong-ping, LI Qiang, LU Hong-sheng, MING Xian-sen, CAI Xin(1452)

Instrumental Technology

Fault Diagnosis Based on EMD and LMS Adaptive Morphology Filter Rolling Bearings ... SONG Ping-gang,ZHOU Jun(1452)

Weapon Technology

Availability Variation Uncertainty Analysis and Optimal Control of Missile Weapon System YANG Ji-kun, XU Ting-xue, DONG Qi,ZHAO Liang(1461)

Power Technology

An Experimental Study on Multi-stage Heat Storage in Packed Beds for Compressed Air Energy Storage Systems ... LIU Jia, YANG Liang, SHENG Yong, YUE Lei, WANG Yi-fei, WANG Liang, CHEN Hai-sheng, TAN Chun-qing(1468)

Mechanical-Electronic Technology

Design Taken into Account Magnetic Saturation of Direct Torque Control System for the Permanent Magnet Synchronous Motors XU Jian, QIN Dan-dan, LI Yun- hong(1491)

Communicational Technology

A Cross Layer Resource Allocation Algorithm Based on Rate Constraints in Multi-user OFDM System WANG Jiang-chao, GAN Zong-liang, QI Li-na (1478)

Volume 13 Number 5(Sum 258)

Applications of RSSI-neural Network in Wireless Sensor Network Positioning SUN Jian,DU Yong-gui(1482)
A Method of Micro-Doppler Feature Extraction of Moving Target with Rotating Parts GAO Zhao-zhao, YANG Xiang-xing, ZHANG Qun, HE Jin, DENG Dong-hu(1491)

Computational Technology

Secure Communication Based on Adaptive Generalized Function Projective Lag Synchronization of Hyperchaotic System CHAI Xiu-li,GAN Zhi-hua,YAN Ping(1495)

Image Thresholding Segmentation Based on Human Vision Model and Maximum Entropy ... ZOU Xiao-lin, FENG Guo-can(1514)
A New Gabor Filter Application in Writer Identification

..... WANG Yan, YU Ming, CHEN Ji-chuan, YU Yang, YAN Gang(1505)

Motion Blur Angle Gradient Image Spectrum Estimation Method WANG Xia, GUO Shuang, WANG Meng-jun, LIU Jian-fei(1509)

Research on Visual Simulation of Distributed Virtual Naval Battlefields XIE Yun-kai, XU Xiao-han, LI Ya-jun ,TANG Xiao-bei(1514)
A Complexity Reduction Algorithm for 3GPP LTE Downlink Channel Estimation DENG Gang, QIU Xin, LIU Hai-yang, ZHANG Chao-long, LIUXue-yong, LU Zhen-peng, CHEN Jie (1552)

Hydulic Technology

A Study on Impact on Discharge of Tongzhousha Reach Caused by the Regulation Project of West Tongzhousha Waterway ZHANG Wei, CHEN Qian-ying, NI Bing(1525)

Traffics and Transportations

The Research of Automatic Pick-up Equipment of Hump that Based on Stereo Binocular Vision Technology HE Xiao,LI Guo-ning,ZHAI Chen(1531)

Dynamic Interaction between Hydraulic Excavator and Terrain in Visual Simulation ZHANG Hong-yan,YU Chang-zhi, ZHAO Ding-xuan,LIU Jin-feng(1535)

Aeronautics and Astronautics

The Research of Far-field Drag Prediction Method and Mid-field Drag Prediction Method CHEN Sheng-jie, JIAO Xiao-hui,QIN Hao(1540)

Comparison between Two Typical Seat Occupant Protection Systems JIA Dong, QIU Xin-ming(1547)

Research Notes

Mathematics

Research on the Pricing of Reset Convertible Bond Considering the Dilution Effect with O-U Process TANG Wen-jie(1552)

Physics

Research on Corona Layer of Needle-plate Discharge in Atmosphere LIU Zhi-qiang,LIN Tie,MIAO Xin-yu,GUO Wei(1556)

Geosciences

The Study on Method of Acquire Smooth Factor of Multi-quadric Function in GPS Height Fitting
..... HUANG Ji-lei, LUO Zhi-qing(1560)

Signal Conditioning Circuit Design of Sounding Humidity Sensors
... DING Guang-hua, LIU Qing-quan, LIU Heng(1565)

Multi-time Scale Analysis on the Variations of Temperature in the Last 60 Years in Yingkou LI Ye-ni, SUN Wei-guo, SHI Jun, HE Xiao-dong, CHEN Jin-lin, PEI Xing-yun(1573)
Analysis of the Climate Characteristics of Thunderstorms in Fuding Area TANG Zhi-yong, DING Zhi-ying(1577)

Medicine

Accuracy of Simulator Verification Cyber Knife Image Guided and Synchrony Tracking System CAO Yang-sen, YU Chun-shan, LIU Yong-ming(1580)

Agricultural Science

Application of Block Matching Searching Algorithm in Wood Bending Deformation Measurement ZHANG Zhe, ZHAO Dong, ZHAO Jian(1584)

General Science and Technology

Study on Data Fusion Algorithm Based on Ultrasonic Sensor of T-R Separation LUO Rui, ZHANG Zi-hong(1591)

Petroleum Technology

The Analysis of Effect of Stress State on Wellbore Instability Safety OU Huan-nong(1591)

Analysis on Production Decline Law in Fracturing Well in the Low-permeability Gas Reservoir with Percolation Characteristics XIONG Jian, MA Qiang, XIAO Feng, MA Qian(1596)

Optimization of Horizontal Well Production Parameters for Cyclic Steam Stimulation in Ultra-heavy Oil Reservoir
..... ZHANG Yu-xiao, JIANG Lin(1601)

Optimal Design of Tip Screenout Fracturing Treatment
..... QU Guan-zheng, QU Zhan-qing, ZHU Xiao-hua, YUE Yan-ru, HUANG De-sheng, ZHANG Wei(1605)

Power Technology

Uncertainty Numerical Analysis of Heat Conduction Problem
..... DU Xiu-yun, TANG Zhen-an(1608)

Mechanics and Electronical Technology

Simulation Research and Fault Line Selection of Single-phase Grounding Fault in 10 kV Distribution Network
..... YIN De-chang, ZHAO Feng(1616)

A Method Based on Sine and Cosine Table of Calculating Current Reference for Shunt Active Power Filters
..... LU Chao-hui, TIAN Ming-xing (1616)

Hardware Design of Comprehensive Compensator Power Unit for Electrified Railway ... DONG Xiao-dong, TIAN Ming-xing(1622)

Communicational Technology

Design of Eliminate Hot Spot LED Backlight
..... LIU Li, LÜ Mei-ling(1625)

Design for A New Type of Resonant Reset Single—Ended Forward Converter ZHANG Yong-ping, XIAO Bo(1637)
Application in Target Tracking Based on Tabu Search Particle Filter Algorithm WANG Long, XIA Hou-pei(1634)
Error Analysis of PDME Caused by the Amplitude Difference of Inquiry Signal LUAN Bao-kuan, TIAN Hua-ming(1637)

Computational Technology

Multi-agent Simulation of Urban Land Expansion Based on Ant Colony Algorithm WANG Gui-lin, YANG Kun(1642)
An Improved Algorithm of Decision Tree Based on Information Gain and Minimum Distance Classification
..... DUAN Wei, MA Li, LU Xiang-yang(1652)

The Performance Comparison between SNOW 3G and ZUC Algorithms on FPGA ... HAN Yue, HEI Yong, QIAO Shu-shan(1652)

A New Dimensionality Reduction Method for Small Sample Size Problem CHEN Ping, LIAO Yu-xia(1656)

Separated Codebook Design Algorithm Based on Wavelet Feature Vectors GONG Na-na(1660)

An Routing Protocol for Long Distance Band-type Wireless Sensor Network LIU Guo-mei, JIN Qiu-chun, SHI Jun-yong(1665)

Civil Engineering Technology

Design and Realization of the pH Controller in Clarification Workshop Section in Sugar Industry
..... WANG Zhang-yun(1670)

Agricultural Technology

Slide Response of Museum Cultural Relics under Earthquake by Shaking Table Tests
..... ZHOU Qian, YAN Wei-ming, JI Jin-bao(1675)

Comparative Study on Compacting Red Clay and Expansive Soil Deformation Characteristics ZHANG Yong-ting, WANG Bao-tian, ZHU Bao-pin(1712)

Design of Long-short-pile Composite Foundation of Tall Building in Soft Soil SONG Rong-fang, LIU Cheng-cai(1685)

Studies of Cement Stabilized Macadam Base Performance Based on Local Materials LI Su, LI Zhi(1694)

Traffics and Transportations

Research on the Mechanism and Types of Shaft Lining Reinforced Concrete Corrosion in Salt Disasters Environment
..... WANG Jun, CHEN Jing-jing, JU Ze-qing(1694)

Analysis and Research on Automotive Brake Performance
..... CHE Ye-jun(1699)

Experiment and Application Simulation Research of a New Type of Automobile Vibration Damping Sheet Liu Wang-yu, TIAN Yu-fu, FANG Jing-feng, LIU Jia, SU Hong-bo(1707)

Traffic Light Detection Based on Normalized RGB Space and Curvature NIU Hong-hui, LIU Ling-xia(1707)

Aeronautics and Astronautics

Research on AEO Takeoff Ground Acceleration Segment Calculation Method of Civil Transport Airplane
... ZHANG Miao-chan, QU Fei-zhou, JIA Xiao-peng(1712)