

TABLE OF CONTENTS

目 录

Design and Implementation of Online Judge System Based on LAMP Mode (基于 LAMP 模式的在线评测系统的设计与实现)	
J. WU, X. X. LI, Q. SUN.....	833
Application of Convolutional Neural Network in Vegetation Recognition (卷积神经网络在植被识别中的应用研究)	
P. T. LI, X. G. JU, D. S. ZHANG, B. DING, Z. WANG.....	841
Research on the Improvement of Kernighan-Lin Algorithm for Graph Partitioning (Kernighan-Lin 算法的改进对图划分问题的研究)	
Y. YU, S. L. KAN, N. ZHAO, Y. J. LUO, J. GU, C. M. SONG.....	849
Incorporating Facial Expressions and Social Networks for Musical Contextual Recommendations (融合面部表情和社交网络的音乐情境推荐)	
M. Q. DONG, P. H. CHEN.....	855
MWSN's Nodes Deployment Research in Partial Area of Coal Mine (煤矿井下移动无线传感器网络的局部节点部署研究)	
X. P. HU, K. S. WU.....	864
Application Research of MATLAB PDE Toolbox in Semiconductor Device (MATLAB PDE 工具箱在半导体器件中的应用研究)	
N. MA, Z. Y. WANG, Z. J. ZHU.....	874
Control Method & Implementation of Two-Wheel Smart Car under Hand-Drawn Route (手绘路径下两轮智能车控制方法设计与实现)	
D. S. ZHANG, B. SUN, K. CHEN, S. WANG, J. Z. QU.....	883
Study on the Relationship between Euler Angle and Quaternion in Unity 3D (Unity 3D 中欧拉角与四元数关系的研究)	
C. F. SU, R. C. GUO.....	890
Research and Prospect of Person Re-Identification Algorithm (行人重识别算法研究与展望)	
R. R. LIN.....	896
Data Access Control Framework Based on Blockchain (基于区块链的数据访问控制框架)	
Z. XIONG, L. YAO, W. J. LI.....	904

Division Property Analysis of S-Boxes (S 盒的可分性质分析)	
C. H. NIE, H. R. WEI.....	912
Fault Detection of Power Converter under Uncertain Noise Disturbances (不确定噪声扰动下的电力变换器故障检测)	
Z. X. LIU, Z. Y. WANG, Y. WANG, Z. C. JI.....	921
A Review of Docker Security Research (Docker 安全性研究综述)	
J. J. YU, C. JIA, D. PU.....	926
A Numerical Simulation Method of Sediment Transport Based on sedtran05 Model (基于 sedtran05 模型的悬浮物输送数值模拟方法)	
X. WANG, H. ZHANG, G. Z. CHEN.....	934
Design of Privacy Protection Electronic Voting Scheme Based on ElGamal Homomorphic Encryption (基于 ElGamal 同态加密的隐私保护电子投票方案设计)	
J. LIU.....	941
Design and Implementation of Music Player Based on Android (基于 Android 的音乐播放软件设计与实现)	
J. W. YU, Y. F. ZHANG, Z. Y. XU, R. X. SUN.....	947
Complex Data Management System for Chinese Address (面向中文地址的复杂数据治理体系)	
Y. W. HOU, W. ZHANG, Z. C. WANG.....	960
Spectral Clustering Algorithm Based on K-Threshold (基于 K 阈值的谱聚类算法)	
M. M. GUO, X. WANG.....	969
Design and Implementation of License Plate Recognition System in Fog (雾天中车牌识别系统的设计与实现)	
Y. J. SHEN, M. X. JIANG.....	985
Semantic Query for Engineering Knowledge Graphs Combining Rule Reasoning (融合规则推理的工程知识图语义查询)	
Y. H. WANG, Y. Z. ZHANG, X. F. LUO.....	993
Design and Implementation of Online Real Estate System Based on Posen Model (基于波森模型的网上房地产系统设计与实现)	
D. XU, Z. R. CAO, S. XU, Y. Y. ZHANG, Z. W. CHENG, X. Y. SUN, J. F. XU, Y. B. WANG, T. Y. MA.....	1003
Current Status and Prospects in Researches of Optimization of Special Vehicles in Airports (机场特种车辆优化调度问题研究现状及展望)	
C. Q. ZHANG, Y. Y. CUI.....	1012

Eye Tracking Based Augmented Reality Human-Computer Interaction Method
(基于视线追踪的增强现实人机交互方法)

W. X. CHEN, X. B. JI, X. Y. CUI.....1020

Research on Prediction of the Use of Electronic Coupons Based on XGBoost
(基于 XGBoost 的电商优惠券使用情况预测研究)

Y. H. XIONG.....1029