

目 次

算法设计与分析

- 一种平稳子空间分析的快速不动点算法 林原灵,陈 前(1)
一种快速的双重层次包围盒碰撞检测算法 刘 超,蒋夏军,施慧彬(6)
FlexRay 动态段消息调度优化算法 张良玉,王 义,张育贵,刘志超,杨 梅(11)
基于加权中值滤波的 MST 立体匹配算法 赵大成,许道云(16)

模式识别

- 基于 Gabor 滤波的语音识别鲁棒性研究 缪新科,徐高鹏(20)
基于船舶融合点迹行为识别的雷达监视系统 陈晓利,祁云嵩,林嘉炜(25)

数据挖掘

- 基于信息论方法的分类数据相似性度量 郑碧如,吴广潮(30)
基于 fastText 的中文文本分类 代令令,蒋 侃(35)
基于 LSTM 的临床血液需求预测方法 郑亚鹏,樊 璐(41)
基于移动通信大数据的城市人口空间分布统计 周天绮(45)

软件工程

- 基于模糊推理的构件度量 陈 晓,孙英昊,赵 攀,刘 倩(50)
基于 VSTO 的文档审阅批注自动导出技术 李建波(56)
基于 Docker 的 MPI 和 OpenMP 混合编程 赵博颖,肖 鹏,张 力(60)
基于堆叠降噪稀疏自动编码器的软件缺陷预测 薛参观(65)

信息安全

- SecDr:一种内容安全的 Docker 镜像仓库
魏兴慎,苏大威,屠正伟,刘 莅,祁龙云,吕小亮,杨 斌(70)
基于 CP-ABE 的隐藏属性外包解密访问控制 陈 成,努尔买买提·黑力力(74)
双重触发的嵌入式系统内核安全访问控制 黄姝娟,朱怡安,高武奇,罗钧旻(79)

人工智能

- 基于极限学习机的武器装备作战效能全局敏感性分析 董 雪,张德平(86)
基于深度强化学习 DDPG 算法的投资组合管理 齐 岳,黄硕华(93)
基于跳跃显露模式挖掘算法的癌症分类 乔 媛,廖小平,邵开霞(100)

计算机辅助教学

- 基于马尔科夫链的大学生自主学习能力预测方法 刘德春,张秀国,姜 微(106)
面向中亚的大学汉语辅助学习软件设计与教学应用 杨 勇,赖 如,任 鸽(111)

网络与通信

- 延迟抖动在 TFRC 拥塞控制策略中的应用 谭志勇,赵甫哲(116)
万方数据
基于内容分析的网络协议指纹识别 夏 琦,丁 波,刘 俊,刘子豪,林亮成(121)

CONTENTS

DESIGN AND ANALYSIS OF ALGORITHM

A Fast Fixed-point Algorithm for Stationary Subspace Analysis	LIN Yuan-ling, CHEN Qian(1)
A Fast Collision Detection Algorithm Based on Dual Bounding Volume Hierarchy	LIU Chao, JIANG Xia-jun, SHI Hui-bin(6)
Message Scheduling Optimization Algorithm of FlexRay Dynamic Segment	ZHANG Liang-yu, WANG Yi, ZHANG Yu-gui, LIU Zhi-chao, YANG Mei(11)
MST Stereo Matching Algorithm Based on Weighted Median Filtering	ZHAO Da-cheng, XU Dao-yun(16)

PATTERN RECOGNITION

Research on Speech Recognition Robustness Based on Gabor Filtering ...	GOU Xin-ke, XU Gao-peng(20)
Radar Surveillance System Based on Ship's Plot-data-fusion Action Recognition	CHEN Xiao-li, QI Yun-song, LIN Jia-wei(25)

DATA MINING

Similarity Measure of Categorical Data Based on Information Theory	ZHENG Bi-ru, WU Guang-chao(30)
Chinese Text Classification Based on fastText	DAI Ling-ling, JIANG Kan(35)
A LSTM-based Forecast Method for Clinical Blood Demand	ZHENG Ya-peng, FAN Lu(41)
Spatial Distribution Statistics of Urban Population Based on Mobile Communication Big Data	ZHOU Tian-qi(45)

SOFTWARE ENGINEERING

Component Measurement Based on Fuzzy Inference	CHEN Xiao, SUN Ying-hao, ZHAO Pan, LIU Qian(50)
Auto-exporting Technology for Word Review Comments Based on VSTO	LI Jian-bo(56)
Hybrid Programming of MPI and OpenMP Based on Docker	ZHAO Bo-ying, XIAO Peng, ZHANG Li(60)
Software Defect Prediction Based on Stacked Denoising Sparse Auto-encoder	XUE Can-guan(65)

INFORMATION SECURITY

SecDr: A Content Safe Docker Registry	WEI Xing-shen, SU Da-wei, TU Zheng-wei, LIU Wei, QI Long-yun, LYU Xiao-liang, YANG Bin(70)
Hidden Attribute Outsourced Decryption Access Control Scheme Based on CP-ABE	CHEN Cheng, Nurmamat HELIL(74)
Dual Triggered Security Access Mechanism for Embedded System Kernel	HUANG Shu-juan, ZHU Yi-an, GAO Wu-qí, LUO Jun-min(79)

ARTIFICIAL INTELLIGENCE

Global Sensitivity Analysis and Optimization of Submarine Combat Effectiveness Based on Extreme Learning Machine	DONG Xue, ZHANG De-ping(86)
Portfolio Management Based on DDPG Algorithm of Deep Reinforcement Learning	QI Yue, HUANG Shuo-hua(93)
Cancer Classification Based on Jumping Emerging Pattern Mining Algorithm	QIAO Yuan, LIAO Xiao-ping, SHAO Kai-xia(100)

CAI

Self-regulated Learning Ability Prediction for College Students Based on Markov Chain	LIU De-chun, ZHANG Xiu-guo, JIANG Wei(106)
Design and Teaching Application of Chinese Auxiliary Learning Software for Central Asia	YANG Yong, LAI Ru, REN Ge(111)

NETWORK AND COMMUNICATION

Application of Delay Jitter in TFRC Congestion Control Strategy	TAN Zhi-yong, ZHAO Fu-zhe(116)
Network Protocol Datagram Identification Based on Content Analysis	XIA Kun, DING Bo, LIU Jun, LIU Zi-hao, LIN Liang-cheng(121)