

目 录

• 模糊集理论 •

基础模糊命题演算系统 $B\mathcal{L}^*$ 的改进系统	吴洪博, 龚家安(1)
基于模糊蕴涵的分配性方程	杨丽, 草峰(6)
二值命题逻辑中有限理论带误差结论集的结构	王廷明(11)
R_0 -代数上的距离结构及其在命题逻辑中的应用	赵晓东(16)
L -Fuzzy 子半群的 L -Fuzzy 同余关系	赵立军(24)
坡代数上半模的基	段俊生, 惠兴杰, 赵芬霞(28)
完备分配格 L 上的 S -幂零矩阵	姜超(33)
平衡半拟补 Ockham 代数的滤子	方捷, 沈吓妹(38)
Some Results in Fuzzy Metric Spaces	CHEN Peng(46)
A Note on L -double Gradation Fuzzy Topological and L -double Fuzzy Closure Spaces	
	A. M. Zahran, M. Azab Abd-Allah, Kamal El-Saady, A. Ghareeb(53)
(IC) 式 Stone-Čech 紧化	李海洋, 路玲霞(62)
Girard Quantale 中的模糊关联滤子	郭丽花, 赵彬(68)
交连续 dcpo 的遗传性和不变性	戴向梅, 徐罗山(76)
关于拟连续 Domain 的一个注记	杨金波, 龚雅玲, 陈群(82)
Weak Form of Fuzzy Open Sets and Their Related Continuity	N. Gowrisankar, N. Rajesh(86)
求极大 T -传递内部的新方法	韩红娟, 王绪柱(92)
全系数模糊两层线性规划	赵海坤, 郭嗣琮(98)
一种基于散度的模糊数排序方法	周丽, 刘琼荪(107)
基于直觉模糊集的多属性决策方法	王开荣, 杨红(114)
同一水平下模糊规则信息熵的描述	陈刚, 陈小弟(119)
基于观测器的模糊时滞系统的指数稳定控制	姚合军(127)

• 粗糙集 •

精度与程度的逻辑或近似算子的性质	张贤勇, 熊方, 美智文, 程伟(133)
广义覆盖粗糙集的约简	张燕兰, 李进金(138)
基于包含度的模糊随机粗糙集模型	张植明, 田景峰(144)
信息熵在粗糙集信息检索模型中的应用	刘有珠, 付雪峰, 刘邱云(149)

• 模糊集应用 •

基于模糊隶属函数无损可见数字水印	彭卫华, 罗永, 刘青(154)
遗传算法在自动泊车辅助系统模糊控制中的应用	程志江(160)
随机的库存—路径问题的机会约束规划模型与算法	陈德良, 陈治亚(168)

CONTENTS

Fuzzy Set Theory

The Improved Form of the Basic System $B\mathcal{L}^*$	WU Hong-bo, GONG Jia-an(1)
Distributive Equations Based on Fuzzy Implications	YANG Li, QIN Feng(6)
The Structure of the Finite Theory Conclusion Set with the Error in Two-valued Propositional Logic	WANG Ting-ming(11)
Metric Structures on R_0 -Algebras and an Application to Propositional Logic	ZHAO Xiao-dong(16)
L -Fuzzy Congruence Relation of L -Fuzzy Subsemigroup	ZHAO Li-jun(24)
Bases of a Semimodule Over an Incline	DUAN Jun-sheng, HUI Xing-jie, ZHAO Fen-xia(28)
S-nilpotent Matrix on a Complete Distributive Lattice L	JIANG Chao(33)
Filters of Ockham algebras with balanced demi-pseudocomplementation	FANG Jie, SHEN Xia-mei(38)
Some Results in Fuzzy Metric Spaces	CHEN Peng(46)
A Note on L -double Gradation Fuzzy Topological and L -double Fuzzy Closure Spaces	A. M. Zahran, M. Azab Abd-Allah, Kamal El-Saady, A. Ghareeb(53)
(IC) Stone-Čech Compactification	LI Hai-yang, LU Ling-xia(62)
Fuzzy Implicative Filters of Girard Quantale	GUO Li-hua, ZHAO Bin(68)
Heredity and Invariance of Meet Continuous Dcpo	DAI Xiang-mei, XU Luo-shan(76)
A Note on Quasicontinuous Domains	YANG Jin-bo, GONG Ya-ling, CHEN Qun(82)
Weak Form of Fuzzy Open Sets and Their Related Continuity	N. Govrisankar, N. Rajesh(86)
A New Method of Finding a Maximum T -transitive Interior	HAN Hong-juan, WANG Xu-zhu(92)
Bi-level Linear Programming with All-coefficient-fuzzy	ZHAO Hai-kun, GUO Si-zong(98)
Ranking Fuzzy Numbers Based on the Divergence	ZHOU Li, LIU Qiong-sun(107)
Multiple Attribute Decision Making Method Based on Intuitionistic Fuzzy Sets	WANG Kai-rong, YANG Hong(114)
The Description of Information Entropy of Fuzzy Rules	CHEN Gang, CHEN Xiao-di(119)
Observer-based Exponential Stability Control for Fuzzy Systems with Delays	YAO He-jun(127)

Rough Set

Properties of Approximation Operators of Logical OR Operation of Precision and Grade	ZHANG Xian-yong, XIONG Fang, MO Zhi-wen, CHENG Wei(133)
The Reduction of Covering Generalized Rough Sets	ZHANG Yan-lan, LI Jin-jin(138)
A Fuzzy Random Rough Set Model Based on Inclusion Degree	ZHANG Zhi-ming, TIAN Jing-feng(144)
Information Retrieval Models Based on Information Entropy Rough Sets and Its Applications	LIU You-zhu, FU Xue-feng, LIU Qiu-yun(149)

Fuzzy Set Application

A Lossless and Visible Watermarking Algorithm Based on the Function of Fuzzy Subordination Degree	PENG Wei-hua, LUO Yong, LIU Qing(154)
The Application of Genetic Algorithm in the Fuzzy Control of Automatic Parking Auxiliary System	CHENG Zhi-jiang(160)
Chance-constrained Model and Hybrid Intelligent Algorithm to Solve Stochastic Inventory Routing Problem	CHEN De-liang, CHEN Zhi-ya(168)