

FUZZY SYSTEMS AND MATHEMATICS

模糊系统与数学

MOHUXITONG YU SHUXUE

ISSN 1001-7402

中国系统工程学会模糊数学与模糊系统委员会会刊
Journal of Fuzzy Mathematics and Systems Association
of the Systems Engineering Society of China

ISSN 1001-7402



2013.1

第二十七卷 第一期
Vol.27 No.1

万方数据

目 录

· 模糊集理论 ·	
(λ, μ) 直觉模糊子环(理想)	姜 曼, 辛小龙(1)
分配格上的全序幂格	黎爱平(9)
Spectrum of L -fuzzy Prime Ideals of a Distributive Lattice	Y. S. Pawar, S. S. Khopade(12)
软集、软群和软 BCI/BCK-代数的对偶	蔡晓波, 刘用麟(20)
经典逻辑系统中公式的真度及公式间伪距离的一种等价定义	马巧云, 吴洪博(28)
经典命题逻辑中理论的 D -条件发散度与近似推理	崔美华(34)
输入变量个数对 T-S 模糊建模精度的影响	刘福才, 刘 硯, 王树恩(40)
平衡逻辑公式在逻辑度量空间中的分布	胡明娣(55)
R_0 型命题逻辑系统的随机化	李修清, 朱 宁(63)
乘积拓扑空间及其性质	来阿龙, 刘璐璐, 李生刚(71)
层次闭包空间的范畴性质(I)	王 莉, 李令强, 孟广武, 李颜霞(78)
对称的满层 L -Kent 收敛空间范畴的子范畴	高小燕(84)
层次闭包空间中分子网的收敛及其应用	李颜霞, 李令强, 孟广武, 王 莉(91)
自治 Lienard 系统的简化 HX 方法	赵纬经, 李洪兴(96)
基于观测器的一类模糊时滞系统的容错控制	张 伟, 佟绍成(104)
IVIFS 环境下基于模糊熵和得分函数的多准则决策方法	孙贵玲, 张建华(113)
模糊环境下部分权重信息的多属性群决策方法	杨 威, 史加荣, 庞永锋(118)
基于乘性一致的区间数互补判断矩阵排序法	徐改丽, 伍艳春(124)
带有方案优先序的模糊多属性决策方法	曾三云(131)
不确定变量序列的双重极限性	王浩华, 王志刚(137)
· 粗糙集 ·	
基于相对优势类差量的序信息系统属性约简算法	吕跃进, 韦碧鹏, 胡明明(142)
一种基于模糊聚类的区间值属性约简算法	郭 庆, 刘文军, 焦贤发, 吴 磊(149)
· 模糊集应用 ·	
广义直觉模糊指标的构造及其应用	吴成茂, 王保平(154)
多阶段均值-半绝对偏差模糊投资组合优化研究	张 鹏(168)
具有模糊行程的城市物流动态费用多车型车辆调度问题研究	卢冰原, 程八一(177)
模糊遗传规划方法在预测深部开采岩体移动中的应用	李文秀, 尹 夏, 李冀飞, 吉占华, 汪 琦, 刘圣杰(185)

CONTENTS

Fuzzy Set Theory	
(λ, μ) Intuitionistic Fuzzy Subrings (Ideals)	JIANG Man, XIN Xiao-long (1)
Fully Ordered Power Lattice on Distributive Lattice	LI Ai-ping (9)
Spectrum of L -fuzzy Prime Ideals of a Distributive Lattice	Y. S. Pawar, S. S. Khopade (12)
The Duales of Soft Sets, Soft Groups and Soft BCI/BCK-algebras	CAI Xiao-bo, LIU Yong-lin (20)
An Equivalent Definition about Truth Degree of Formula and Pseudo-metric among Formulas in Classical Logic System	MA Qiao-yun, WU Hong-bo (28)
The D -conditional Divergence of Theory and Approximate Reasoning in Classical Propositional Logic System	CUI Mei-hua (34)
The Influence of the Number of Input Variables on the Descriptive Performance of T-S Fuzzy Model	LIU Fu-cai, LIU Yan, WANG Shu-en (40)
Distribution of the Equilibrium Logic Formulas in the Classical Logic Metric Space	HU Ming-di (55)
Randomization of R_0 Propositional Logic System	LI Xiu-qing, ZHU Ning (63)
Product Soft Topological Spaces and Their Properties	LAI A-long, LIU Lu-lu, LI Sheng-gang (71)
The Category Properties of the Level Closure Space (I)	WANG Li, LI Ling-qiang, MENG Guang-wu, LI Yan-xia (78)
The Subcategories of Symmetric Stratified L -Kent Convergence Spaces	GAO Xiao-yan (84)
The Convergence Theory of Molecular Net in Stratiform Closure Space and Its Application	LI Yan-xia, LI Ling-qiang, MENG Guang-wu, WANG Li (91)
Autonomous Lienard Systems Based on Simplified HX Equation Approximation Method	ZHAO Wei-jing, LI Hong-xing (96)
Fault-tolerant Observer-based Control for a Class of Fuzzy Time-delay Systems With Sensor Failures	ZHANG Wei, TONG Shao-cheng ()
Decision-making Method Based on Fuzzy Entropy and Score Function under IVIFS Environment	SUN Gui-ling, ZHANG Jian-hua (113)
Fuzzy Multi-attribute Group Decision Making with Partial Weight Information	YANG Wei, SHI Jia-rong, PANG Yong-feng (118)
The Priority Method of Interval Number Complementary Judgment Matrix Based on the Consistency Test	XU Gai-li, WU Yan-chun (124)
Fuzzy Multiple Attribute Decision Making Method with Alternative Priority	ZENG San-yun (131)
The Dual Limits of Uncertain Variables Sequence	WANG Hao-hua, WANG Zhi-gang (137)
Rough Set	
Algorithm for Attribute Reduction in Ordered Information Systems Based on Relative Differential Quantity of Advantage Classes	LV Yue-jin, WEI Bi-peng, HU Ming-ming (142)
A Novel Interval-valued Attribution Reduction Algorithm Based on Fuzzy Cluster	GUO Qing, LIU Wen-jun, JIAO Xian-fa, WU Lei (149)
Fuzzy Set Application	
Construction of Generalized Intuitionistic Fuzzy Index and Its Application	WU Cheng-mao, WANG Bao-ping (154)
The Optimization On the Multiperiod Mean Semi-absolute Deviation Fuzzy Portfolio Selection	ZHANG Peng (168)
Research on Multi-type Vehicle Scheduling Problem in Urban Logistics with Dynamic Delivery Cost and Fuzzy Delivery Mileage	LU Bing-yuan, CHENG Ba-yi (177)
Application of Fuzzy-GP Method in Prediction of Rock Mass Displacement due to Deep Mining	LI Wen-xiu, YIN Xia, LI Ji-fei, JI Zhan-hua, WANG Qi, LIU Sheng-jie (185)