

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



万方数据

2012.4

第二十六卷 第四期
Vol.26 No.4

目 录

· 模糊集理论 ·

计量逻辑学的基本思想和研究综述	王国俊(1)
计量逻辑学中的雪崩逻辑公式	王庆平, 王国俊(12)
经典命题逻辑中的近似推理与强近似推理	罗清君, 王国俊(20)
Gödel 逻辑系统中模糊逻辑方程 $\tau(X \rightarrow p) = \alpha$ 的解的性质	杨 洁(25)
有限 Boole 语义中公式的条件随机真度	左卫兵(31)
剩余格上的一类模糊滤算子及其应用	马振明, 胡宝清(37)
$L\omega$ -空间中的 ω -Tychonoff 分离性	黄金兰, 陈水利(43)
(L, M) -fuzzy 闭包系统与 (L, M) -fuzzy 闭包算子	陈娟娟, 李生刚, 赵 虎(49)
L -拓扑空间的 $LF \alpha - \rho$ 连通性的若干性质	徐小玲, 马保国, 孙军娜(56)
模糊紧空间在其中一个自然的 Hilbert 方体紧化中的拓扑位置	张丽丽(59)
强广义上(下)半连续多值映射	王小霞, 姜金平(67)
广义 L 模糊 Quantale	肖旗梅, 李庆国(72)
Quantic 格范畴	王顺钦(77)
直觉模糊有限自动机的乘积	翁福利, 舒 兰, 王泽文(84)
范畴 Ω -Cat 的极限和余极限	耿 俊, 汤建钢, 晁晓艳(89)
基于结构元线性生成的复 Fuzzy 值函数项级数	陈孝国(94)
论模糊差分方程 $x_{n+1} = \frac{a+bx_n}{A+x_{n-1}}$	张千宏, 杨利辉, 廖代喜(99)
几类广义模糊集的关系	裴道武(108)
模糊均衡问题的求解及应用	万 中, 沈贤龙(117)
普通选择函数的若干合理性条件的模糊化研究	郝永花, 薛 娜, 武彩萍(124)
一个基于模糊偏好的选择函数	王 羽, 王靖柱(130)
关系的分解	徐晓集(137)
关于拟连续 domain 以及函数空间的注记	赵浩然, 寇 辉(143)
环上的拓扑和偏序	罗淑珍, 赖新兴, 偶世坤(149)

· 粗糙集 ·

近似空间与信任结构之间的关系	吴伟志(155)
双论域上的区间值直觉模糊粗糙集模型及其应用	杨海龙(168)
知识的 Fuzzy-Rough 性研究及其应用	赵惠文, 张凤鸣(174)
覆盖粗糙集模型增值算子及其性质	平根建, 梁俊奇(181)
单调概念格性质研究	杨 田, 伍秀华, 金检华(185)

CONTENTS

Fuzzy Set Theory

Introduction to Quantitative Logic	WANG Guo-jun(1)
Avalanche Logic Formulae in Quantitative Logic	WANG Qing-ping, WANG Guo-jun(12)
Approximate and Strong Entailments in Classical Propositional Logic System ...	LUO Qing-jun, WANG Guo-jun(20)
The Properties of Fuzzy Logic Equation $\tau(X \rightarrow p) = a$ in Gödel Logic System	YANG Jie(25)
The Conditional Randomized Truth Degree of Formulas on Finite Boolean Semantics	ZUO Wei-bing(31)
A Class of Fuzzy Filter Operators on Residuated Lattices and Their Applications	MA Zhen-ming, HU Bao-qing(37)
ω -Tychonoff Separation in $L\omega$ -spaces	HUANG Jin-lan, CHEN Shu-li(43)
(L, M) -fuzzy Closure System and (L, M) -fuzzy Closure Operator	CHEN Juan-juan, LI Sheng-gang, ZHAO Hu(49)
Some Properties of $LF\ a - p$ Connectedness in L -topological Space ...	XU Xiao-ling, MA Bao-guo, SUN Jun-na(56)
The Topological Place of the Space of Fuzzy Compacta in Its Natural Hilbert Cube Compactification	ZHANG Li-li(59)
Strongly Generalized Lower and Upper Semicontinuous Multifunctions ...	WANG Xiao-xia, JIANG Jin-ping(67)
The Generalized L -fuzzy Quantale	XIAO Qi-mei, LI Qing-guo(72)
The Category of Quantic Lattices	WANG Shun-qin(77)
Products of Intuitionistic Fuzzy Finite Automata	WENG Fu-ti, SHU Lan, WANG Ze-wen(84)
Limit and Colimit in the Category of Ω -Cat	GENG Jun, TANG Jian-gang, NIE Xiao-yan(89)
Complex Fuzzy-valued Function's Series Based on Fuzzy Structured Element	CHEN Xiao-guo(94)
On Fuzzy Difference Equation $x_{n+1} = \frac{a+bx_n}{A+x_{n-1}}$	ZHANG Qian-hong, YANG Li-hui, LIAO Dai-xi(99)
Relationships of Several Classes of Generalized Fuzzy Sets	PEI Dao-wu(108)
Fuzzy Equilibrium Problem and Its Application	WAN Zhong, SHEN Xian-long(117)
A Study on the Fuzzification of Several Rationality Conditions of Crisp Choice Functions	HAO Yong-hua, XUE Na, WU Cai-ping(124)
A Fuzzy Choice Function Based on Fuzzy Preference	WANG Yue, WANG Xu-zhu(130)
Decomposition of Relations	XU Xiao-quan(137)
Notes on Quasicontinuous Domains and Their Function Spaces	ZHAO Hao-ran, KOU Hui(143)
Topologies and Orders on Rings	LUO Shu-zhen, LAI Xin-xing, OU Shi-kun(149)

Rough Set

Relationships between Rough Set Theory and Dempster-Shafer Theory of Evidence	WU Wei-zhi(155)
Interval-valued Intuitionistic Fuzzy Rough Set Model on Two Universes and Its Application ...	YANG Hai-long(168)
Rough-Fuzzy Property of Knowledge and It's Application	ZHAO Hui-wen, ZHANG Feng-ming(174)
Increment Operators and Their Property over Covering Rough Set Models ...	PING Gen-jian, LIANG Jun-qi(181)
A Research on Monotone Concept Lattices	YANG Tian, WU Xiu-hua, JIN Jian-hua(185)