

福州大学

Fuzhou University

科技论著目录汇编

(1993)

A Collection of Catalogues of Works
on Science and Technology in 1993

福州大学科研处

Scientific Research Office of Fuzhou University :

说 明

为了便于开展我校与国内外的学术交流，兹将我校 1993 年发表科技论文目录（中英文对照）汇编成册。论文目录收入了国内外公开发行的刊物上正式发表和编入全国及省际科技学术会议论文集的论文。由于统计不全和水平有限，定有不当之处，敬请批评指正。

科研处

1994.4

Preface

For the convenience of the development of the academic exchange between our university and other institutions at home and abroad, we hereby compile this book of catalogues (English—Chinese bilingual) of the papers on science and technology published in 1993. The catalogues include those of the papers for regularly published in periodicals and magazines circulated publicly in and out of the country, it includes, too, those of the papers which are enrolled in the collection of papers delivered at national and provincial scientific and technological conference. Owing to our inability to collect all the papers and limitation of our capability, errors are inevitable. We sincerely invite your comments and criticism.

Scientific Research Office

April, 1994

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数 学 系

Department of Mathematics

序号 No	论 文 题 目 Title of Papers	作 者 Author	发 表 刊 物 Periodicals	发表时间、期号 Date and Issue No
1	非线性周期系的 Floquet 理论 On the Floquet Theory of Nonlinear Periodic System	史金麟 Shi Jinlin	数学学报 Acta Mathema- tica Sinica	1993.No.1
2	关于原根的两个问题 Two Viewpoints on Primitive Roots	谭宜家 Tan Yijia	佛山大学学报 Journal of Fou- shan University	1993.No.4
3	原根的 r 次方根 The Sum of r th Power of Primitive Roots	谭宜家 Tan Yijia	江西谭范大学学 报 Journal of Jiangxi Normal University	1993.No.4
4	Wolstenhole 定理的全面推广 A Comprehensive Generalization of Wolstenhole's Theorem	谭宜家 Tan Yijia	上饶师专学报 Journal of Shangrao Teach- ers College	1993.No.5
5	多元凸包函数 Lip 连续性 Lipshitz Continuity of the Convex Hull of Functions of Several Vari- ables	雷英果 Lei Yingguo	福州大学学报(自 然科学版) Journal of Fuzhou Univer- sity(Natural Sci- ence Edition)	1993.No.1
6	图的控制数与其补图覆盖数的关 系 Relations of Dominating Number of Graph with Covering Number of Complementary Graph	林可容 张忠续 Lin Kerong Zhang Zhongfu	福州大学学报(自 然科学版) Journal of Fuzhou Univer- sity(Natural Sci- ence Edition)	1993.No.1
7	无不良符号的岭回归——岭回归 K 值的一种取法 The Ridge Regression of Sign Without Contrary—A Way to Se- lect Ridge Regression	梁飞豹 郭振阳 Liang Feibao Guo Zhengyang	福州大学学报(自 然科学版) Journal of Fuzhou Univer- sity(Natural Sci- ence Edition)	1993.No.1

序号 No	论 文 题 目 Title of Papers	作 者 Author	发 表 刊 物 Periodicals	发表时间、期号 Date and Issue No
8	具有一类 Holling 功能性反应的食 饵——捕食系统的定性分析 Qualitation Analysis for Predator — Prey System with Holling's Type—II Functional Response	吴承强 Wu Chengqiang	福州大学学报(自 然科学版) Journal of Fuzhou Univer- sity(Natural Sci- ence Edition)	1993.No.2
9	大范围抽象经济系统的均衡存在 性 Existence of Equilibrium in Large — Square Abstract Economical System	黄建华 王晶海 Huang Jianhua Wang Jinhai	福州大学学报(自 然科学版) Journal of Fuzhou Univer- sity(Natural Sci- ence Edition)	1993.No.2
10	n 阶线性微分从属 The nth - order Linear Differ- ential Subordination	朱玉灿 Zhu Yucan	福州大学学报(自 然科学版) Journal of Fuzhou Univer- sity(Natural Sci- ence Edition)	1993.No.3
11	带类型 λ -演算的扩充 Estension of Typed λ -Calculus	王美清 Wang Meiqing	福州大学学报(自 然科学版) Journal of Fuzhou Univer- sity(Natural Sci- ence Edition)	1993.No.3
12	系统的体系分析 Classified System in Analysis of System	何天牧 He Tianmu	福州大学学报(自 然科学版) Journal of Fuzhou Univer- sity(Natural Sci- ence Editoin)	1993.No.3

序号 No	论 文 题 目 Title of Papers	作 者 Author	发 表 刊 物 Periodicals	发表时间、期号 Date and Issue No
13	聚类谱系图的计算机打印及其应用 Printing Spectral Diagram of Cluster Analysis with Computers and its Application	何建农 He Jiannong	福州大学学报(自然科学版) Journal of Fuzhou University(Natural Science Edition)	1993.No.3
14	复合随机场分布的某些弱收敛定理 Some Theorems of Weak Convergence for Distribution of Composite Stochastic Field	黄可明 Huang Keming	福州大学学报(自然科学版) Journal of Fuzhou University(Natural Science Edition)	1993.No.4
15	偶阶数对相邻幻方的统一构造 The Uniform Construction Method for Magic Squares with Even Orders	郑荣辉 林可容 陈荣斯 Zheng Ronghui Lin Kerong Cheng Rongsi	福州大学学报(自然科学版) Journal of Fuzhou University(Natural Science Edition)	1993.No.4
16	用数学模型评价试卷质量 Apply Mathematical Model to Evaluate Quality of Test Paper	梁飞豹 陈希镇 Liang Feibao Chen Xizhen	福州大学学报(自然科学版) Journal of Fuzhou University(Natural Science Edition)	1993.No.4
17	西红柿根结线虫危害性的 Fuzzy 分析 Fuzzy Analysis of Nematode Harming Tomato	卢旋珠 Lu Xunzhu	福州大学学报(自然科学版) Journal of Fuzhou University(Natural Science Edition)	1993.No.4

序号 No	论 文 题 目 Title of Papers	作 者 Author	发 表 刊 物 Periodicals	发表时间、期号 Date and Issue No
18	偶阶幻方的同通式构造法 A Construction Method with the Same General Formula for Even Order Magic Squares	郑荣辉 林可容 陈荣斯 Zheng Ronghui Lin Kerong Chen Rongsi	福州大学学报(自然科学版) Journal of Fuzhou University(Natural Science Edition)	1993.No.4
19	不带约束的多目标规划解的充要条件的进一步讨论 Further Discussion of Sufficient-Necessary in Solution of Multi-Objective Programming	陈增政 林棋桐 Chen Zhenzheng Lin Qitong	福州大学学报(自然科学版) Journal of Fuzhou University (Natural Science Edition)	1993.No.6
20	图的连通 Domination 数与若干不变量的联系 Relationship between Domination Number and Some Invariants of a Graph	韩迎 罗由学 Han Ying Luo Youxue	福州大学学报(自然科学版) Journal of Fuzhou University(Natural Science Edition)	1993.No.6
21	分娩方式选择的判别模型 Discriminant Model of Choosing Childbirth Pattern	王宏健 刘洪玲 Wang Hongjian Liu Honglin	福州大学学报(自然科学版) Journal of Fuzhou University(Natural Science Edition)	1993.No.6
22	一类有界 E_3^1 系统的极限环 Limit Cycles of Some Bounded E_3^1 System	吴承强 Wu Chenqiang	福州大学学报(自然科学版) Journal of Fuzhou University(Natural Science Edition)	1993.No.6

序号 No	论 文 题 目 Title of Papers	作 者 Author	发 表 刊 物 Periodicals	发表时间、期号 Date and Issue No
23	模糊综合评判中的模糊评分法 The Fuzzy Grade Method in the Fuzzy Comprehensive Judge	陈希镇 梁飞豹 Chen Xizhen Liang Feibao	福州大学学报(自然科学版) Journal of Fuzhou University(Natural Science Edition)	1993.No.6
24	用变分法计算在张力作用下长方形薄板弯曲问题的近似解 The Calculation of the Approximate Solution of in Tension Binding Problem in Rectangular Thin Plate by Variational Method	李秋秀 Li Qiuxiu	福州大学学报(自然科学版) Journal of Fuzhou University(Natural Science Edition)	1993.No.6
25	矿山通风改造方案的 Fuzzy 决策 The Fuzzy Decision of Transfrom Plan for Mine Ventilate	江国彪 林香民 Jiang Guobiao Lin Xiangmin	全国 Fuzzy 分析 研究第三届会议 论文集 Proceedings of the 3rd National Conference on Fuzzy Aralysis and Design	1993
26	闽、台联办综合牧场的 Fuzzy 研究 Fuzzy Probably Research Deals with pools Efforts to Build a Pasture— fishpond between Fujian and Taiwan	江国彪 林国宁 Jiang Guobiao Lin Guoning	全国 Fuzzy 分析 研究第三届会议 论文集 Proceedings of the 3rd National Conference on Fuzzy Aralysis and Design	1993

电子科学与应用物理系
Department of Electronic Science and Applied Physics

序号 No	论 文 题 目 Title of Papers	作 者 Author	发 表 刊 物 Periodicals	发表时间、期号 Date and Issue No
1	磁镜场中电子回旋激射的磁捕获效应 Magnetic Trapping Effects on Electron Cyclotron Maser in Magnetic Mirrors	林景 卞伯达 Lin Jing Bian Boda	流体物理 B Physics of Fluids B	1993.2
2	磁捕获激发非相对论电子回旋激射 Magnetic Trapping Induced Non-Relativistic Electron Cyclotron Maser	林景 卞伯达 Lin Jing Bian Boda	中国物理快报 Chinese Physics Letters	1993.5
3	阿贝尔手征群陪集纯规范场的恒等式和重正化 The Identity and the Renormalization of Pure Gauge Field on Coset Space of Abell Chiral Group	邱荣 Qiu Rong	高能物理与核物理 High Energy Physics and Nuclear Physics	1993.No.3
4	用级数法解粒子在势阱中的运动方程 The Series Solution of "Infinite Square Well"	邱荣 Qiu Rong	大学物理 College Physics	1993.No.3
5	核状薄膜电导初探 Primary Study of the Electrical Conduction in Columnar Microstructure Thin Fdms	郑文汀 Zhen Wending	薄膜科学与技术 Thin Film Science & Technology	1993.No.4
6	磁控溅射 SnO_2 薄膜气敏特性 Gas-Sensitive SnO_2 Film Deposited by Reactive Sputtering	林秀芬 郑文汀 Lin Xiufen Zhen Wending	功能材料 Journal of Functional Materials	1993.No.5
7	发激抛物型梯度折射率棒中的光路 Ray Paths in Nonlinear Diverging Parabolic GRIN Rod	李育崔 Li Yucui	光通信技术 Optical Communication Technology	1993.No.1

序号 No	论 文 题 目 Title of Papers	作 者 Author	发 表 刊 物 Periodicals	发表时间 期号 Date and Issue No.
8	聚焦梯度折射率纤维透镜新的色差公式 New Formulas of Chromatic Aberration for a Focusing Graded-Index Fiber Lens	李育崔 陈智浩 Li Yucui Chen Zhihao	光通信技术 Optical Communication Technology	1993.No.5
9	指数型发散梯度折射率纤维透镜的成像公式 The Imaging Formulas of a Exponential-Type Diverging Graded-Index Fiber Lens	李育崔 陈智浩 Li Yucui Chen Zhihao	厦门大学学报(自然科学版) Journal of Xiamen University(Natural Science Edition)	1993.No.2
10	磁镜场中各向异性电子驱动的哨声膜不稳定 Whistler Instability of the Anisotropic Electron Drive in Magnetic Mirror	卞伯达 林景 Bian Beda Lin Jing	厦门大学学报(自然科学版) Journal of Xiamen University(Natural Science Edition)	1993.No.2
11	对布朗运动和跳跃运动的进一步探讨 Further Discussion on Brownian Movements and Jump Movements	康承华 Kang Chenghua	厦门大学学报(自然科学版) Journal of Xiamen University(Natural Science Edition)	1993.No.2
12	范氏气体和交叉效应对吸附的影响 Effects of Van der Waals Gases and Cross-Effects on Adsorption	康承华 Kang Chenghua	现代物理知识 Modern Physics	1993.No.2
13	简易多用途的示波管显示仪 Research of Simple Multipurpose Cathode Ray Tube Display	陈峰 Chen Feng	福建技术监督 Fujian Technics Supervise	1992.No.4
14	无线心音听诊器薄膜电路版图的计算机设计 The Thin Film IC of the Radio Stethoscope was CAD	章秀淦 Zhang Xiugan	计算机时代 Computer Era	1993.No.2

序号 No	论 文 题 目 Title of Papers	作 者 Author	发 表 刊 物 Periodicals	发表时间、期号 Date and Issue No
15	磁镜场中单电子与其回旋波的捕获共振相互作用 Cyclotron Trapped Resonance Interaction of a Single Electron with Cyclotron Wave in Magnetic—Mirror Field	林景 林青 Lin Jing Lin Qing	福州大学学报(自然科学版) Journal of Fuzhou University(Natural Science Edition)	1993.No.1
16	自然界可能存在的新核素 New Nuclides of Possible Existence	邱荣 王昱应 Qiu Rong Wang Yuying	福州大学学报(自然科学版) Journal of Fuzhou University(Natural Science Edition)	1993.No.2
17	CO 敏感元件的研究 On Carbon Monoxide Gas Sensor	黄兆新 林伟 Huang Zhaoxin Lin Wei	福州大学学报(自然科学版) Journal of Fuzhou University(Natural Science Edition)	1993.No.2
18	达朗贝尔—拉格朗日原理的推广 Extended Principle of D'Alembert—Lagrange	邱荣 Qiu Rong	福州大学学报(自然科学版) Journal of Fuzhou University(Natural Science Edition)	1993.No.3
19	地震中广义分维的计算结果 Calculating Results of Generalized Dimensions in Seismology	沈祖涛 Sen Zutao	福州大学学报(自然科学版) Journal of Fuzhou University(Natural Science Edition)	1993.No.3

序号 No	论 文 题 目 Title of Papers	作 者 Author	发 表 刊 物 Periodicals	发表时间、期号 Date and Issue No
20	铈化物光电阴极的量子效率 Quantum Efficiency of Alkali-Antimony Photocathodes	李旦振 Li Danzhen	福州大学学报(自然科学版) Journal of Fuzhou University(Natural Science Edition)	1993.No.3
21	加速系中的高阶微分变分原理和积分变分原理 Principle of Differential-Variation of High-Order and Integral-Variation of High-Order in Accelerated System	邱荣 Qiu Rong	福州大学学报(自然科学版) Journal of Fuzhou University(Natural Science Edition)	1993.No.4
22	光的 Fuzzy 性 Optical Fuzziness	罗凤肖 Luo Fengxiao	福州大学学报(自然科学版) Journal of Fuzhou University (Natural Science Edition)	1993.No.4
23	改进气敏元件温度稳定性的研究 Study on the Improvement of Temperature Stability of Gas Sensors	黄兆新 林伟 黄世霖 林生 Huang Zhaoxin Lin Wei Huang Shilin Lin Shen	福州大学学报(自然科学版) Journal of Fuzhou University(Natural Science Edition)	1993.No.6
24	哈密顿力学的纤维丛结构 The Structure of Fibre Bundle of Hamiltonian Mechanics	张瑞海 邱荣 Zhang Ruihai Qiu Rong	福州大学学报(自然科学版) Journal of Fuzhou University(Natural Science Edition)	1993.No.6

序号 No	论 文 题 目 Title of Papers	作 者 Author	发 表 刊 物 Periodicals	发表时间、期号 Date and Issue No
25	The Identity and the Renormalization of Pure Gauge Field on Coset Space of Abelian Chiral Group 阿贝尔手征陪集空间纯规范场的重正化	Qiu Rong 邱荣	Proceedings of International Symposium on Advanced Topics of Quantum Physics 国际量子物理前沿课题会议论文集	1993
26	Chromatic Aberration of A Nonlinear Graded Index Rod Lens 非线性梯度折射率棒透镜的色差	Chen Zhihao Li Yucui 陈智浩 李玉崔	Proc. of Tech. Dige. of USA Annual Meeting 1993 年美国光学会年会论文集	1993
27	大芯径阶跃型钬光纤的色差特性 Properties of Chromatic Aberration in A Large-Core Step Index Erbium Fiber	陈智浩 李玉崔 Chen Zhihao Li Yucui	第六届全国光纤通信学术会议论文集 Proceedings of the 6th National Conference on Optical Fiber Communications	1993
28	量子化问题 The Quantized Problem	邱荣 Qiu Rong	第七届理论物理前沿基础研讨会论文集 Proceedings of the 7th Symposium on the Fundamentals of the Frontiers of Theoretical Physics	1993.9

序号 No	论 文 题 目 Title of Papers	作 者 Author	发 表 刊 物 Periodicals	发表时间, 期号 Date and Issue No
29	多重分形参量和热力学函数 Parameter for Multifractals and Thermodynamic Functions	康承华 Kang Chenghua	中国科学技术出版社 China Science and Technology University Press	1993.10

化 学 系

Department of Chemistry

序号 No	论 文 题 目 Title of Papers	作 者 Author	发 表 刊 物 Periodicals	发表时间、期号 Date and Issue No
1	Structure of a New Ternary Chalcogenide FeTa (μ_4 -Te) (μ_3 -Te) ₂ 一个新的三组元硫属化合物 FeTa (μ_4 -Te) (μ_3 -Te) ₂ 的结构	Huang Jinling et al 黄金陵等	Acta Cryst 国际结晶学杂志	C49 4-7(1993)
2	The Synthesis and Crystal Structure of a Trinuclear Molybdenum Cluster Compound ($\text{Mo}_3(\mu_3\text{-O})(\mu\text{-S})_3(\mu\text{-OAc})_2(\text{dtp})_2(\text{Py})) \cdot 0.5\text{H}_2\text{O}$ 一种三核钼簇合硫 ($\text{Mo}_3(\mu_3\text{-O})(\mu\text{-S})_3(\mu\text{-OAc})_2(\text{dtp})_2(\text{Py})) \cdot 0.5\text{H}_2\text{O}$ 的合成和晶体结构	Huang Jianquan et al 黄建全等	Chineses Journal of Chemistry 中国化学学报	10 (6) ,500(1992)
3	Preparation and Structural Characterization of the Hexatungsten Cluster Complex ($\text{EDTEH})_2(\text{W}_6(\mu_3\text{-Cl})_8\text{C}_6)$, ($\text{EDTEH} = \text{MeO}_2\text{CCH}_2)_2\text{N}(\text{H})\text{CH}_2\text{CH}_2\text{N}(\text{CH}_2\text{CO}_2\text{Me})_2$) 六核钨簇子簇配合物($\text{EDTEH})_2(\text{W}_6(\mu_3\text{-Cl})_8\text{C}_6)$ 的制备和结构表征	Huang Jianquan et al 黄建全等	Jour.of Cluster Science 原子簇科学杂志	4 (3) 271(1993)
4	Preparation and Structural Characterization of a Hexanuclear Molybdenum (II) Cluster Containing Carboxylate Ligands($\text{Bu}_4\text{N})_2(\text{Mo}_6(\mu_3\text{-Cl})_8(\text{O}_2\text{CMe})_6)$ 含羧酸配基的六核钼(II)簇 ($\text{Bu}_4\text{N})_2(\text{Mo}_6(\mu_3\text{-Cl})_8(\text{O}_2\text{CMe})_6)$ 的制备和结构表照表	Huang Jianquan et al 黄建全等	Journal of Cluster Science 原子簇科学杂志	4 (2) 151(1993)