学科导航4.0暨统一检索解决方案研讨会

方略知识管理系统

中国科学院遥感应用研究所王彦飞研究员（图）

[作者] 中国科学院遥感应用研究所

[单位] 中国科学院遥感应用研究所

[摘要] 王彦飞，男，生于1973年2月16日。中国科学院遥感应用研究所研究员，学科方向：遥感定量化反演。研究遥感科学中的反演问题的理论和方法，主要研究BRDF地表参数反演、数字图像恢复、数字图像纹理分析、大气气溶胶遥感反演。

[关键词] 中国科学院遥感应用研究所;研究员;遥感定量化反演;BRDF地表参数反演;数字图像恢复;数字图像纹理分析;大气气溶胶遥感反演

王彦飞，男，生于1973年2月16日。教育背景博士：中国科学院数学与系统科学研究院，中国北京。专业: 计算数学。研究方向: 反问题的优化算法。指导教师: 袁亚湘（研究员、博士）。于2002年6月获得博士学位。硕士: 河北工业大学理学院，中国天津。专业: 应用数学。研究方向: 反问题的正则化算法。指导教师: 肖庭延（教授）。于2000年3月获得硕士学位。学士: 河北师范大学数学系，中国河北石家庄。专业: 基础数学。研究方向: 数值计算方法。指导教师: 王旭东（教授）于1997年6月获得学士学位。工作经历助理教授，博士后（2002.9-2004.9）美国Florida中央大学数学系/中国科学院遥感应用研究所研究专业: 应用数学与数字图像信息处理研究方向: 信号处理中的反问题，光学信号处理，数字图像处理合作导师: Zuhair Nashed教授副研究员（2004.7-）中国科学院遥感应用研究所，学科方向: 遥感定量化反演。研究遥感科学中的反演问题的理论和方法，主要研究BRDF地表参数反演、数字图像恢复、数字图像纹理分析、大气气溶胶遥感反演。研究兴趣与方向一般的兴趣与方向：数值最优化、不适定反演问题、科学计算。特别的兴趣与方向: 反演问题的优化算法、不适定问题的正则化、信号/图像处理、定量遥感反演、PDE中的参数识别问题、大气气溶胶反演、图像纹理特征信息提取、第一类算子方程的数值解、大规模优化问题的数值解法、计算全息。教学经历

Teaching MAS 3105.0001: Matrix Linear Algebra" for undergraduate students, Department of Mathematics, University of Central Florida, FL, Spring Semester, 2004.

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posed Atmospheric Aerosol Inversion Problem and Its Solution Methods,invited talk at the School of Environmental Science in Beijing University,July 29,2005.

(one hour talk) 16.Inverse Problems, Ill-

posedness and Its Regularization and Optimization Methods,invited talk at the Institute of High Energy Physics, Academia Sinica,August 30, 2005.

(one hour talk) 已完成的课题（1）《信号重构和外推的正则化方法》，已完成（合作者:肖庭延教授等）；该项目由河北省自然科学基金资

助，基金编号:698047.（我是主要研究者）（2）《 线性反问题的MATLAB求解器》，已完成（合作者：肖庭延教授等）；该项目由河北

省自然科学基金资助，基金编号：101001。（我是主要研究者）（3）《优化的理论与算法》，已完成（合作者：袁亚湘教授等）；该项

目由国家自然科学基金（基金编号：19731010）及中国科学院知识创新工程项目资助。（我是研究者之一）正在进行中的课题（1）《反

问题的最优化和正则化方法研究》，国家自然科学基金---青年基金，正在进行中。（我是主要研究者）（2）《反演问题的计算方法及其

应用》，国家自然科学基金---天元基金，正在进行中。（我是主要研究者）合作指导研究生

Yannick SIRE, Institut National des Sciences Appliqu\'ees, Toulouse, France, July-September, 2001. Thesis: "Inverse Problems and Optimization"

Zaiwen WEN, Institute of Computational Mathematics and Scientific/Engineering Computing, AMSS, Chinese Academy of Sciences, 2003-

2004. Thesis: "On the Least Squares Problems and Applications" Shufang FAN, Department of Mathematics, Beijing Normal University, 2004-2006.

Shiqian Ma, Institute of Computational Mathematics and Scientific/Engineering Computing, AMSS, Chinese Academy of Sciences,2004-2006. 获奖

情况攻读博士学位期间获中国科学院彭荫刚奖一等奖（2002年1月）；攻读博士学位期间获中国科学院院长奖（2002年10月）， E-

mails: yfwang@irsa.ac.cn yfwang@math.ucf.edu