

中国雷达行业协会会刊

ISSN 2095-283X

CN 10-1030/TN

雷达学报

JOURNAL OF RADARS

2017 6

第6卷 第6期 Vol.6 No.6

中国科学院电子学研究所 主办
中国雷达行业协会

雷 达 学 报

LEIDA XUEBAO

第 6 卷 第 6 期

2017 年 12 月

目 次

综 述

机载雷达空时自适应处理技术研究综述..... 谢文冲, 段克清, 王永良 (575)

论 文

一种基于信息熵的雷达动态自适应选择跟踪方法..... 葛建军, 李春霞 (587)

基于PAST处理的机载双基雷达自适应角度-多普勒补偿算法..... 赵 军, 田 斌, 朱岱寅 (594)

基于多目标跟踪的相控阵雷达波束和驻留时间联合分配方法..... 王祥丽, 易 伟, 孔令讲 (602)

一种用于高速公路探地雷达的新型时域超宽带TEM喇叭天线.....
..... 尹 德, 叶盛波, 刘晋伟, 纪奕才, 刘小军, 方广有 (611)

电离层对中高轨SAR影响机理研究..... 李 亮, 洪 峻, 明 峰 (619)

基于高斯混合聚类的阵列干涉SAR三维成像..... 李 杭, 梁兴东, 张福博, 吴一戎 (630)

一种基于最大后验框架的聚类分析多基线干涉SAR高度重建算法.....
..... 斯 奇, 王 宇, 邓云凯, 李 宁, 张 衡 (640)

飞机尾流特性与探测技术专题

专题主编: 李健兵 王 涛 V. Brion F. Barbaresco

飞机尾流的散射特性与探测技术综述..... 李健兵, 高 航, 王 涛, 王雪松 (653)

Circulation Retrieval of Wake Vortices under Rainy Conditions with an X Band Radar.....
..... Jean-Yves Schneider, Gilles Beauquet, Frédéric Barbaresco (673)

Next Generation Scanning LIDAR Systems for Optimizing Wake Turbulence Separation Minima..
..... Ludovic Thobois, Jean-Pierre Cariou (689)

基于矩阵信息几何的飞机尾流目标检测方法..... 刘俊凯, 李健兵, 马 梁, 陈忠宽, 蔡益朝 (699)

香港国际机场的飞机尾涡观测..... 韩启光, 陈栢纬 (709)

学术信息

2018 年 IET 国际雷达会议通知..... (封三)

JOURNAL OF RADARS

Vol.6 No.6 Dec. 2017

CONTENTS

Reviews

- Space Time Adaptive Processing Technique for Airborne Radar: An Overview of Its Development and Prospects...
..... *Xie Wenchong, Duan Keqing, Wang Yongliang* (575)

Papers

- A Dynamic and Adaptive Selection Radar Tracking Method Based on Information Entropy.....
..... *Ge Jianjun, Li Chunxia* (587)
- Adaptive Angle-Doppler Compensation Method for Airborne Bistatic Radar Based on PAST.....
..... *Zhao Jun, Tian Bin, Zhu Daiyin* (594)
- Joint Beam Selection and Dwell Time Allocation for Multi-target Tracking in Phased Array Radar System.....
..... *Wang Xiangli, Yi Wei, Kong Lingjiang* (602)
- Novel Time-domain Ultra-wide Band TEM Horn Antenna for Highway GPR Applications.....
..... *Yin De, Ye Shengbo, Liu Jinwei, Ji Yicai, Liu Xiaojun, Fang Guangyou* (611)
- Mechanism Study of Ionospheric Effects on Medium-Earth-Orbit SAR..... *Li Liang, Hong Jun, Ming Feng* (619)
- 3D Imaging for Array InSAR Based on Gaussian Mixture Model Clustering.....
..... *Li Hang, Liang Xingdong, Zhang Fubo, Wu Yirong* (630)
- A Novel Cluster-Analysis Algorithm Based on MAP Framework for Multi-baseline InSAR Height Reconstruction...
..... *Si Qi, Wang Yu, Deng Yunkai, Li Ning, Zhang Heng* (640)

Special Topic Papers: Characteristics and Detection of Wake Vortex

Guest Editor: Li Jianbing Wang Tao V. Brion F. Barbaresco

- A Survey of the Scattering Characteristics and Detection of Aircraft Wake Vortices.....
..... *Li Jianbing, Gao Hang, Wang Tao, Wang Xuesong* (653)
- Circulation Retrieval of Wake Vortices under Rainy Conditions with an X Band Radar.....
..... *Jean-Yves Schneider, Gilles Beauquet, Frédéric Barbaresco* (673)
- Next Generation Scanning LIDAR Systems for Optimizing Wake Turbulence Separation Minima.....
..... *Ludovic Thobois, Jean-Pierre Cariou* (689)
- Radar Target Detection Method of Aircraft Wake Vortices Based on Matrix Information Geometry.....
..... *Liu Junkai, Li Jianbing, Ma Liang, Chen Zhongkuan, Cai Yichao* (699)
- Aircraft Wake Vortex Observations in Hong Kong..... *Hon Kaikwong, Chan Pakwai* (709)

Academic Information

- Call for Papers of 2018 IET International Radar Conference..... (Inside Back Cover)