

中国雷达行业协会会刊

ISSN 2095-283X

CN 10-1030/TN

雷达学报

JOURNAL OF RADARS

2012 2

第1卷 第2期 Vol.1 No.2

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 1 卷 第 2 期

2012 年 6 月

目 次

综 述

基于低频段数字广播电视信号的外辐射源雷达发展现状与趋势..... 万显荣 (109)

圆迹 SAR 成像技术研究进展 洪 文 (124)

论 文

基于无载频脉冲雷达信号的高速数字采样方法与实现..... 沈绍祥, 叶盛波, 方广有 (136)

基于 DCS 的统计 MIMO 雷达信号模型及参数估计..... 朱 莹, 张 弓, 张劲东 (143)

典型阵列快速 MUSIC 算法研究..... 张兴良, 王可人, 樊甫华 (149)

从三正交偶极子天线接收信号中估计飞行器姿态参数..... 何 敏, 陈广东, 张 凯 (157)

SAR 专题论文

多基 ISAR 舰船侧视及俯视高分辨率成像方法..... 李 宁, 汪 玲, 张 弓 (163)

基于相似像素选择的非局域 SAR 图像相干斑抑制..... 李光廷, 黄平平, 禹卫东 (171)

基于 Radon 变换和 Jeffrey 散度的 SAR 图像变化检测方法..... 郑 瑾, 尤红建 (182)

分析圆柱油罐目标合成孔径雷达图像的新方法..... 张月婷, 丁赤飏, 王宏琦, 胡东辉 (190)

一种基于质量指导的 InSAR 相位解缠快速实现方法..... 李芳芳, 占 毅, 胡东辉, 丁赤飏 (196)

机载 SAR 天线座结构动力学建模及分析..... 贺李平, 李军兴, 刘 铭 (203)

北斗卫星后向散射信号的星-星合成孔径成像系统: 概念与可行性..... 王海洋, 江月松 (209)

JOURNAL OF RADARS

Vol.1 No.2 Jun. 2012

CONTENTS

Reviews

- An Overview on Development of Passive Radar Based on the Low Frequency Band Digital Broadcasting.....
and TV Signals..... *Wan Xian-rong* (109)
- Progress in Circular SAR Imaging Technique *Hong Wen* (124)

Papers

- Method and Implementation of High-speed Digital Sampling Technology Based on Impulse Radar Signal.....
..... *Shen Shao-xiang, Ye Sheng-bo, Fang Guang-you* (136)
- Signal Model and Parameters Estimation of Statistical MIMO Radar Based on Distributed Compressed Sensing.....
..... *Zhu Ying, Zhang Gong, Zhang Jin-dong* (143)
- Study on Fast MUSIC Algorithm with Typical Array *Zhang Xing-liang, Wang Ke-ren, Fan Fu-hua* (149)
- Aircraft Attitude/Heading Estimation Using a Dipole Triad Antenna..... *He Min, Chen Guang-dong, Zhang Kai* (157)

Special Topic Papers: Synthetic Aperture Radar (SAR)

- High-resolution Side-view and Top-view Imaging Method of Ship Targets Using Multistatic ISAR.....
..... *Li Ning, Wang Ling, Zhang Gong* (163)
- Non-local SAR Image Despeckling Based on Similar Pixels Selected.....
..... *Li Guang-ting, Huang Ping-ping, Yu Wei-dong* (171)
- Change Detection with SAR Images Based on Radon Transform and Jeffrey Divergence.....
..... *Zheng Jin, You Hong-jian* (182)
- A New Algorithm for Analyzing the SAR Image of the Cylindrical Oil Tank.....
..... *Zhang Yue-ting, Ding Chi-biao, Wang Hong-qi, Hu Dong-hui* (190)
- A Fast Method for InSAR Phase Unwrapping Based on Quality Guide.....
..... *Li Fang-fang, Zhan Yi, Hu Dong-hui, Ding Chi-biao* (196)
- Structural Modeling and Analysis on Dynamic Characteristics of Antenna Pedestal in Airborne SAR.....
..... *He Li-ping, Li Jun-xing, Liu Ming* (203)
- A Synthetic Aperture System Based on Backscattering Signals of Compass Navigation Satellite:
Concept and Feasibility..... *Wang Hai-yang, Jiang Yue-song* (209)