

Fractal Geometry Segmentation Of Polarimetric Synthetic Aperture Radar Images



Fractal Geometry Segmentation Of Polarimetric

This thesis investigated the potential of fractal dimension estimation for segmenting high resolution polarimetric synthetic aperture radar. The data used during this research were collected with ...

Fractal geometry segmentation of high resolution ...

Abstract This thesis describes how fractal geometry was used to segment synthetic aperture radar (SAR) images. The fractal dimension of each non-overlapping 8x8 pixel region in a 512x512 pixel image was estimated by use of a multidimensional extension of the box counting algorithm.

Fractal geometry segmentation of polarimetric synthetic ...

This thesis investigated the potential of fractal dimension estimation for segmenting high resolution polarimetric synthetic aperture radar. The data used during this research were collected with the Advanced Detection Technology Sensor (ADTS) developed by Massachusetts Institute of Technology Lincoln Laboratory with Defense Advanced Research Projects Agency funding.

Fractal geometry segmentation of high resolution ...

This thesis describes how fractal geometry was used to segment synthetic aperture radar (SAR) images. The fractal dimension of each non-overlapping 8x8 pixel region in a 512x512 pixel image was ...

Fractal Geometry Segmentation of Polarimetric Synthetic ...

FRACTAL GEOMETRY SEGMENTATION OF POLARIMETRIC SYNTHETIC APERTURE RADAR IMAGES I.

Introduction 1. 1 Overview This chapter provides a brief discussion of the general image segmentation and object identification problem and presents one potential approach to solving this problem using fractal geometry.

~OF~ DEC11 - apps.dtic.mil

FRACTAL GEOMETRY SEGMENTATION OF HIGH RESOLUTION POLARIMETRIC SYNTHETIC APERTURE RADAR DATA THESIS Presented to the Faculty of the School of Engineering of the Air Force Institute of Technology Air University In Partial Fulfillment of the Requirements for the Degree of Master of Science in Electrical Engineering Joseph Lee Brickey, B.S.E.E.

AD-A230 428 - apps.dtic.mil

Image processing pipeline for segmentation and material classification based on multispectral high dynamic range polarimetric images MIGUEL ÁNGEL MARTÍNEZ-DOMINGO,^{1,*} EVA M. VALERO,¹ JAVIER HERNÁNDEZ-ANDRÉS,¹ SHOJI TOMINAGA,² TAKAHIKO HORIUCHI,² AND KEITA HIRAI² ¹Color Imaging Laboratory, Department of Optics, University of Granada, Spain ²Color Image Engineering, Graduate School of ...

Image processing pipeline for segmentation and material ...

Fractal Geometry Segmentation of High Resolution Polarimetric Synthetic Aperture Radar Data by Joseph Lee Brickey, F Afhig, Eo Tiong Plmeatic, Joseph Lee Brickey - MS thesis, AFIT/GE/ENG/90D, School of Engineering, Air Force Institute of Technology , 1990

Studies of Target Detection Algorithms That Use ...

FRACTAL DIMENSION ESTIMATION FROM FULLY POLARIMETRIC SAR DATA Gerardo Di Martino ¹, Giorgio Franceschetti ¹, Antonio Iodice ¹, Daniele Riccio ¹, Giuseppe Ruello ¹, Ivana Zinno ² ¹ Università di Napoli Federico II - DIETI, Napoli , Italy ² Istituto per il Rilevamento Elettromagnetico dell'Ambiente (IREA), CNR, Napoli, Italy ABSTRACT Fractal dimension is widely recognized as key parameter for

FRACTAL DIMENSION ESTIMATION FROM FULLY POLARIMETRIC SAR DATA

Fractal. However, if a fractal's one-dimensional lengths are all doubled, the spatial content of the fractal scales by a power that is not necessarily an integer. This power is called the fractal dimension of the fractal, and it usually exceeds the fractal's topological dimension.

Fractal - Wikipedia

test di ovulazione prezzi, jason et robur saison linteacutegrale, fractal geometry segmentation of high resolution polarimetric synthetic aperture radar, simile and metaphor lesson plans, rhymes old macdonald had a farm, hardy s poetic vision in the dynasts the diorama of, romanzi rosa contemporanei, step 3 aa worksheet, eni van de

Even Angels Ask A Journey To Islam In America Jeffrey Lang

zyxw Fractional Brownian Motion Models for Synthetic Aperture Radar Imagery Scene Segmentation zyxwvutsrqp CLAYTON V. STEWART, SENIOR MEMBER, IEEE, BABACK MOGHADDAM, MEMBER, IEEE, KENNETH J. HINTZ, SENIOR MEMBER, IEEE, AND LESLIE M. NOVAK, MEMBER, IEEE Invited Paper zyxwvutsrqp This paper demonstrates the application of fractal random process models and their related scaling ...

Fractional Brownian motion models for synthetic aperture ...

Hence, the multifractal analysis, which is a generalization of the fractal geometry, is well adapted to the description of the aerial and satellite images. The former works of Lévy-Véhel [10, 16] introduced a multifractal approach for image segmentation.

A Multi-fractal Multi-permuted Multinomial Measurement for ...

Polarimetric data occurrence in the H- α plane (bottom). Data distribution in the H- α plane does not show, for the considered scene, distinct natural clusters belonging to a single scattering mechanism class. Therefore, identification results may highly depend on segmentation thresholds.

5. POLARIMETRIC SAR DATA CLASSIFICATION

Contextual PolSAR image classification using fractal dimension and support vector machines Hossein Aghababaei^{1*}, Jalal Amini¹ and Yu-Chang Tzeng² ¹Department of Surveying and Geomatic Engineering, University of Tehran, 1115-4563 Tehran, Iran ²Department of Electronic Engineering, National united university, 36003 Miaoli, Taiwan

[holt california geometry workbook answers](#), [the photo book of ireland images of irish architecture culture](#), [images conomiques du monde 2013 by francois bost](#), [space images high resolution](#), [high resolution disney princess images](#), [introduction to cooking with the amana radarange microwave oven](#), [world of little league the images of modern america](#), [geometry word problems worksheet](#), [success quotes with images](#), [geometry of complex numbers hans schwerdtfeger](#), [practice and problem solving workbook geometry answers prentice hall](#)