Fractal Geometry Segmentation Of High Resolution Polarimetric Synthetic Aperture Radar

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Summary:

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Infrared Image Segmentation by Combining Fractal Geometry ... mathematic tool for image segmentation. 3) Interactive segmentation. Interactive segmentation has been widely applied in many domains, for example, interactive segmentation is suitable used to segment medical image. 4) The research for image segmentation assessment has become a hot point problem in image segmentation domain. Fractal - Wikipedia A fractal in three-dimensional space is similar, however, a difference between fractals in two dimensions and three dimensions, is that a three dimensional fractal will increase in surface area, but never exceed a certain volume. Fuzzy Segmentation Of Natural Scenes Using Fractal Geometry In previous papers, new features, based on fractal geometry, were introduced to describe natural textured regions. In this paper, those fractal features are utilized as descriptors in segmentation algorithms which produce fuzzy partitions of the image plane.

Introduction to Fractal Geometry Fractal geometry offers almost unlimited waysof describing, measuring and predicting these natural phenomena. But is it possible to define the whole world using mathematical equations? This article describes how the four most famous fractals were created and explains the most important fractal properties, which make fractals useful for different domain of science. ~OF~ DEC1l - Defense Technical Information Center 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. FRACTAL COLOUR IMAGE ENCODING SCHEME BASED ON NEAREST ... Keywords: fractal compression, iterated function system (IFS), Partition IFS, contrac tive affine transformation, Isosceles triangle segmentation, transformation of colour image. 1. INTRODUCTION Fractal is basically based on the concept of fractional geometry which is used to describe irregular and fragmented objects or patterns.

An Automated Segmentation Method for Lung Parenchyma Image ... incomplete segmentation of the juxtapleural nodules and segmentation inefi¬•ciency, this paper proposes an automated framework to combine the threshold iteration method to segment the lung parenchyma images and the fractal geometry method to detect the depression boundary.