



Research Article



A Robust clustering Method for Multispectral Remote Sensing Image Analysis

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DOI:

[http://dx.doi.org/
10.17812/IJRA.1.3\(19\)2014](http://dx.doi.org/10.17812/IJRA.1.3(19)2014)

Manuscript:

Received: 15th Sep, 2014

Accepted: 22nd Sep, 2014

Published: 30th Sep, 2014

ABSTRACT

Methods of Detection of Multi spectral remote sensing Images are becoming more popular due to the progresses in spatial resolution of satellite imagery. This paper presents detection of multispectral remote-sensing images corrupted by noise using robust clustering method without any training data. First enhancement of color separation of satellite image using decorrelation stretching is carried out and then the regions are grouped into a set of clusters. Simulation results are provided to demonstrate the efficacy of the proposed method for detection of Multi spectral remote sensing Images.

Keywords: Decorrelation, LANDSAT imagery, spatial resolution, Support Vector Machines.

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IJRA - Year of 2014 Transactions:

Month: July-September

Volume – 1, Issue – 3, Page No's: 89-91

Subject Stream: Electronics

Paper Communication: Through Conference of ICETET-2014

Paper Reference Id: IJRA-2014: 1(3)89-91