



Research Article



SVM based Multispectral Remote Sensing Image Analysis

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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 Support Vector Machines. First enhancement of color separation of satellite image using decorrelation stretching is carried out and then the regions are grouped into a set of classes using Support Vector Machines. Simulation results are provided to demonstrate the efficacy of the proposed method for detection of Multi spectral remote sensing Images.

Key Words: Decorrelation, LANDSAT imagery, spatial resolution, Support Vector Machines.

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