Abstract

In the past years, remote sensing has been used for the classification of satellite image on a very large scale. This paper deals with image classification by using swarm computing technique. In this work, we use a new swarm data clustering method based upon flower pollination by artificial bees to cluster the satellite image pixels. The aim of clustering is to separate a set of data points into self-similar groups. Those clusters will be further classified using Biogeography Based Optimization. The results indicate that highly accurate classification of the satellite image is obtained by using the proposed algorithm.

Reference

- The MATLAB ver 7, The MathWorks, Inc.

Index Terms

Computer Science  Algorithms

Key words

FPAB  Biogeography

Based Optimization  Satellite Image Classification