Abstract

Satellite image classification process involves grouping the image pixel values into meaningful categories. Several satellite image classification methods and techniques are available. Satellite image classification methods can be broadly classified into three categories 1) automatic 2) manual and 3) hybrid. All three methods have their own advantages and disadvantages. Majority of the satellite image classification methods fall under first category. Satellite image classification needs selection of appropriate classification method based on the requirements. The current research work is a study on satellite image classification methods and techniques. The research work also compares various researcher’s comparative results on satellite image classification methods.

References

Normalized Difference Vegetation Index (NDVI) Time-Series of Idle Agriculture Lands: A Preliminary Study;
- Horning, N. 2004. "Land cover classification methods";
- Shabnam Jabari and Yun Zhang, 2013. "Very High Resolution Satellite Image Classification Using Fuzzy Rule-Based Systems";
Algorithms, vol. 6, no. 4, pp. 762-781.
Satellite Image Classification Methods and Techniques: A Review

Index Terms

Computer Science  Image Processing

Keywords

Satellite Image  Classification  Summary of reviews