A Novel Method for Satellite Image Retrieval using Semantic Mining and Hashing

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Abstract

Satellite images play an important role for collection of geographical information. However, the use of such images is limited to a greater extent due to its retrieval complexities. Traditional methods using text have also failed to yield desired and time-saving results. Therefore, Content based image retrieval using high semantic features has been developed to overcome problems related to text retrieval and challenges associated with semantic gap. Keeping in consideration the importance of semantic features for CBIR, the proposed method introduces a novel method using Semantic mining and Hashing for fast retrieval and attainment of accurate results.

References

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Index Terms

Computer Science

Image Processing

Keywords
Semantic Mining, Hashing, Hash codes, Semantic gap, precision, recall, feature extraction and similarity measures