Genetic Candidate Group Search Approach for Post Clustering Content based Image Retrieval

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Abstract

Large amounts of databases are created daily in data storage. Due to this, it becomes very difficult to retrieve the images required for applications in various fields. Thus, Content Based Image Retrieval Techniques play an important role in image processing. Here, we will be using various masking methods to find out different features and apply different clustering algorithms. In this paper, we are proposing a hybrid model which is the combination of Genetic and Candidate Group Search algorithm. This gives us the best results in some aspects and finds it suitable in terms of time and accuracy. Candidate Group Search Genetic Algorithm is employed to facilitate the users retrieve the images that are most relevant to the users' demand.

References

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Index Terms

Computer Science

Image Processing

Keywords

Content based Image Retrieval, clustering, Feature Extraction, Genetic Algorithm, Candidate Group search algorithm.