Abstract

With the rapid growth in the new era of Internet Technology, image retrieval is an active and traditional method for searching the images by keywords or by images from the large amount of image database. As tags gives the descriptive information of an image on the web. Due to noisy nature in tags, it becomes necessary to correlate both image content and tag information for retrieval purposes. However, semantic gap is a major problem in the image processing concept. Therefore, our presented research is going to reduce the problem of semantic gap by applying techniques to extract low level features of an image such as color, texture and edge. Then, construction of a mixed graph between image and tag to perform random walk on graph for getting accurate results in an efficient way. Experimental results show the effectiveness of our approach.

References

- P. Nagarani, R. VenkataRamanaChary and Dr. D. Rajya Lakshmi 2012. Semantic
- Jeon, J., V. Lavrenko, and R. Manmatha. 2003. Automatic image annotation and
An Efficient Algorithm to Reduce the Semantic Gap between Image Contents and Tags


Index Terms

Computer Science

Algorithms

Keywords

Random Walk  Semantic Gap