IMAGE SEGMENTATION BY EVOLUTIONARY SPARSE CODES

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ABSTRACT

Find an image for a user of the images are very large, it is a challenging task. Recent research shows that the semantic gap between content-based image retrieval and image means humans. The best way to bridge this gap is automatic semantic annotation. A sparse coding method as a successful method to select features to eliminate noise in the image is used. The main idea of this paper is to provide a method for optimizing Heshin with Nesterov algorithm is coded sparse. Nesterov algorithm to speed up the encoding scheme sparse, convergence rate and the slope predicted for infinite convex optimization convex optimization is applied is limited. To sharpen the image that is used to separate the objects in the image, Laplace settings have been made. In order to optimize the growth of values proposed in this paper, an evolutionary genetic algorithm is used to reach the optimum values over generations could provide good results.

KEYWORDS: Image Segmentation, Sparse Coding, Genetic Algorithm