

Image Segmentation Using 2-D Histogram in RGB Color Space in Digital Libraries

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Abstract : This paper presents an unsupervised color image segmentation method. It is based on a hierarchical analysis of 2-D histogram in RGB color space. This histogram minimizes storage space of images and thus facilitates the operations between them. The improved segmentation approach shows a better identification of objects in a color image and, at the same time, the system is fast.

Keywords : image segmentation, hierarchical analysis, 2-D histogram, classification

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