



IMAGE SEGMENTATION ALGORITHM BASED ON COLOR FEATURES: CASE STUDY WITH GIANT PANDA

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Abstract- Color which is one of the basic features of the image is widely used in image processing. The choice of color space is a primary issue for the color image segmentation based on color features. In this paper, giant pandas are chosen as the research objects. In order to achieve good segmentation results, different color spaces and the corresponding algorithms are chosen for image segmentation according to the color characteristics of different background of panda images. There are three kinds of color spaces introduced in detail and its advantages and disadvantages for the giant panda image segmentation are also summarized in this paper.

Index terms: color features, giant panda, image segmentation.