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RESEARCH ARTICLE

IMPLEMENTATION OF NORMLIZED CUT ALGORITHAM FOR IMAGE SEGMENTATION

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Abstract— Image Segmentation is an important image processing technique which is used to analyse colour, texture etc. Image Segmentation is used to separate an image into several "meaningful" parts. Normalized cut (Ncut) is based on graph cut technique to solve the image Segmentation problems. Rather than just focusing on local features and their consistencies, Ncut consider the global impression of an image. We have applied Ncut algorithm, on many images and successfully segmented the images into meaningful parts.

Key Terms: - Normalized cut (Ncut); Active contour model (snake); mean shift image segmentation

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