

Image segmentation using clustering techniques

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Abstract: This study focuses on applying clustering techniques in the field of image processing to improve segmentation performance. The topic was chosen to meet the growing demand for automated solutions in the segmentation process, helping to save time and manpower. The objective of this research is to build a system based on clustering techniques to optimize accuracy and image processing speed. Through experimentation and comparison with existing methods, the study expects to make significant contributions to the field of image processing.

Keywords: image segmentation, clustering technique, image processing