Review: Various Image Segmentation Techniques

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Abstract—In recent times segmentation of images is a growing and a research based field, as image segmentation is a very important part in the field of image processing and computer vision. When a set of pixels are combined together they form a digital image. Segmentation of such an image or a video is useful to extract region of interest (ROI) which further can be used for various applications such as tracking and detection of objects, medical imaging, recognition of face, eyes, etc. There are various algorithms designed to do proper segmentation of the ROI. Each one of them has its own advantages and disadvantages. This paper discusses the various segmentation techniques which are available.