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Extracting Information and Size Prediction of Objects in Underwater Images using Image Processing Technique

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Abstract:

Underwater image analysis is the current research field since a lot of resources is available in ocean. The prediction about captured underwater images is not an easy tas... **View more**

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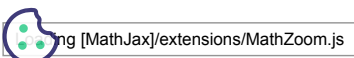
Abstract:

Underwater image analysis is the current research field since a lot of resources is available in ocean. The prediction about captured underwater images is not an easy task. So, far the prediction about underwater buried images have been done with the help of human being. To overcome this, in this paper, the prediction about buried/Sunken underwater object have been done using image processing technique with the concept of search and recovery method. The underwater images are considered as inputs and by using grab cut algorithm, the segmentation have been done. The Segmented image is compared with original object. So, it concluded by predicting the size of the object by using ratio between original object and segmented object. The same methodology is applied for predicting the size of the sub objects in the considered input image, and it works out.

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