

D. Morphological Erosion

The morphological erosion operator is applied for localisation of edges [8] on Fig.3 image that shrinks region pixels in size which make clear image as shown below.



Fig.:4 A Eroded region image.

III. CONCLUSION

The implemented Canny edge detector present the best performance both visually and quantitatively based on the measures such as mean square distance, error edge map and signal to noise ratio. This paper considers the morphological open function with 3 X 3 square structural elements for localisation of the detected edges. Canny edge detector

algorithm analyses how the shape of a smoothing function affects the localisation of detected edges. Using the implemented Canny edge detector as an enhancement tool for topographic images, the result was robust and achieved a very enhancement level.

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