

Hull Detection from Handwritten Digit Image

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Abstract : In this paper we proposed a novel algorithm for recognizing hulls in a hand written digits. This is an extension to the work on "Digit Recognition Using Freeman Chain code". In order to find out the hulls in a user given digit it is necessary to follow three steps. Those are pre-processing, Boundary Extraction and at last apply the Hull Detection system in a way to attain the better results. The detection of Hull Regions is mainly intended to increase the machine learning capability in detection of characters or digits. This can also extend this in order to get the hull regions and their intensities in Black Holes in Space Exploration.

Keywords : chain code, machine learning, hull regions, hull recognition system, SASK algorithm

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