Abstract

The competency to detect and to recognize the different denomination of coins is an essential expertise in the human beings life. This paper represents different algorithms for the detection and the recognition of coins which are highly overlapped. The proposed system includes three principal steps detection, extraction and recognition. This system is efficient in detecting and recognizing the coins from both the sides. The system uses Otsu’s algorithm for segmentation process, for detecting overlapping uses hough transform and recognizing the coin uses radius thresholding.

References

- Reisert M. , Ronneberger O.  and Burkhardt H.  A Fast and Reliable Coin Recognition System.  University of Freiburg, Computer Science Department, 79110 Freiburg i. Br. , Germany.
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Index Terms

Computer Science
Pattern Recognition

Keywords
Otsu’s Algorithm  Hough Transform  Coin Detection  Coin Recognition
An Efficient Way to Detect and Recognize the Overlapped Coins using Otsu’s Algorithm based on Hough Transform Technique