

Performing Iris Segmentation by Using Geodesic Active Contour (GAC)

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Abstract

A novel iris segmentation technique based on active contour is proposed in this paper. Our approach includes two important issues, pupil segmentation and iris circle calculation. If the correct center position and radius of pupil can be find out in tested image, then the iris in the result will be able to precisely segment. The final accuracy for ICE dataset is reached around 92%, and also can get high accuracy 79% for UBIRIS. Our results demonstrate that the proposed iris segmentation can perform well with high accuracy for Iris's image.

Keywords: *GAC, Iris Segmentation, ICE, UBIRIS*