IRIS SEGMENTATION IN HUMAN EYE IMAGES

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A new method of iris segmentation is proposed in this paper based on texture analysis. Iris recognition systems are highly affected by the performance of iris localization processing. Steps after segmentation engage normalization, feature extraction and matching depend on the accuracy and efficiency of segmentation of iris in human eye images. In the proposed scheme, the inner boundary of iris is calculated by finding the pupil center and radius. For outer iris boundary, a band is calculated within which iris outer boundary lies. One dimensional signals are picked along radial direction from this band in a sequence at different angles to obtain the outer circle of the iris. Points for upper and lower eyelids are determined in the same way as the iris outer boundary followed by the statistically fit parabolas. Experimental results show that proposed method is very efficient.