Abstract

In this paper, we describe a new approach of employing Nelder-Mead optimization (NMO) simplex method in Iris image segmentation. In this paper we are using modified way of Libor masek method. In modified Libor masek method mainly in preprocessing phase in segmentation we are using Nelder-Mead search method also called as simplex method for calculation of center coordinates, radius and threshold in iris image. Here we are using IIT Delhi database of Indian person’s iris for our iris image segmentation.
Indian Iris Image Segmentation using Nelder-Mead Simplex Method

References

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- Portions of the work tested on the IITD Iris Database version 1. 0 &quot;A citation to &quot;IIT Delhi Iris Database version 1. 0, http://web. iitd. ac. in/~biometrics/Database_Iris. htm

Index Terms

Computer Science

Security
Keywords
Iris Recognition  Nelder-mead Simplex Method  Iris Image Segmentation  Features
Extraction.