عنوان مقاله:

Phase Congruency Based Image Enhancement Method And Its Application in Enhancing Iris Feature Extraction

محل انتشار:

پانزدهیمن کنفرانس مهندسی برق ایران (سال: 1386)

تعداد صفحات اصل مقاله: 6

نویسندگان:

Ali Shojaee Bakhtiari - *Department of Electrical Engineering Iran University of Science and Technologt Tehran, Iran*

Ali Asghar Beheshti Shirazi - *Department of Electrical Engineering Iran University of Science and Technologt Tehran, Iran*

Babak Zamanloo - *Department of Electrical Engineering Iran University of Science and Technologt Tehran, Iran*

خلاصه مقاله:

In many iris image related applications it is necessqry to detect certainfeatures of the image for the application processing .The two main features that are mostly used for the above purposes are the edges and the corners of the iris image. The problem with the majority of well-known detection methods is their extretne dependence on the image contrast and the brightness state in which the images have been taken So it rs necessary to find methods that enhance the image in such a way that the fficts of contrast and brightness changes are reduced to minimum by them. The method ttsed in this paper is based on phase congruency method for enhancing the corners and edges of the iris .image. The independence of phase patterns from the contrast is the most attractive point of this method

کلمات کلیدی:

image enhancement, corner detection, edge detection, phase congruency, iris detection