

Abstract

Eyes detection is a problem to determine eyes position or eyes location from input image of face. Six-Segmented Rectangular (SSR) filter method is one of the eyes detection methods. On eyes detection, SSR filter method will do point detection in area between the eyes (BTE), the method is divide the area become 6 segments. Then calculate the average from Gray level with integral image. This final project discussed the way to find the eyes location on digital image from image of face. And analyze system result, the method is input several face with different expression, lighting, and image of face which is used glasses. From input we will analyze if this system can work in good way. From results of experiment 165 images, we know that SSR filter method can find true eyes area with 69% successful. Moreover, from many kinds input of face image, this sistem can detect eyes area very well to face normal image with 73% successful.

Keywords: Six-Segmented Rectangular (SSR) filter, integral image, between the eyes (BTE).