Abstract

Automatic Character Recognizer(OCR) is a computer system used to automatically read a stream of characters produced by typewriters,printer.There are many approaches to design an OCR. One of simplest approaches is using *tuple method*.However ,*tuple method* has limitation in the matching process since it requires an absolute match between the character and its templates.In this last task try to do extension *tuple method* using *fuzzy logic*.This extension enables *tuple method* to handle more vague characters.

Testing purpose are to find out whether the system can recognize a character that obtained in input image, and to count average time procces of the system. Testing using 4 test image print capital alphabet to each kinds test images. The dimension of input image is 100 x 120 with *.bmp format.Based on result of analysis show that acuration of recognition rate influened by equal imagescfor each equal class character,and also by how much size matching each on tes image to equal image.Time procces will be influenced how much image on each equal character class and also by size imge.

Keywords: tuple method, fuzzy logic