

IDENTIFICATION OF CURSIVE LETTERS

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Abstract

For our project we wrote a program that can read cursive letters. Such a program would be useful in places such as a post office to read addresses and sort envelopes into the necessary categories. The program goes through a series of steps before printing out the sequence of characters that it reads. After having scanned each line of text, the program separates the letters in a word and then proceeds to decompose each letter into wavelets. To recognize each character, the program further processes the decomposition and then compares it against a library of characters, containing variations and their averages. The letter or number with the best comparison to the mystery character is the letter/number that the character most likely represents.