

## **Accurate tool for handwritten character recognition based on image compressions techniques**

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### **Summary**

The typical Optical Character Recognition (OCR) systems, regardless the character's nature, are based mainly on three stages, preprocessing, features extraction and discrimination (recognizer). Each stage has its own problems and effects on the system efficiency such as time consuming and recognition errors. In order to avoid these difficulties this talk presents new construction of OCR system without preprocessing, features extraction and classifier for any handwriting characters using standard and advanced Image Compression techniques. The proposed algorithms obtained promising results in terms of accuracy as well as in terms of time consuming.

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