OFFLINE CHARACTER RECOGNITION: TECHNIQUES AND APPLICATIONS

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Abstract

Character Recognition has been key area of study in the last half century. The advancements in character recognition has accelerated just due to the many rising applications which are not only challenging, but also computationally more demanding. It is broadly used to search and recognize text from electronic documents or to publish the text on a website. This material describes first, an overview of character recognition systems then, the available character recognition techniques and applications. Character Recognition techniques are listed under two main headlines i.e. offline and online. Here the major concerned on offline techniques. The "offline" methods use the static image properties. The offline methods are further divided into four methods, which are Clustering, Feature Extraction, Pattern Matching and Artificial Neural Network.