

OPTICAL CHARACTER RECOGNITION APPLICATIONS AND ALGORITHMS

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What ?

We introduce a OCR applications and algorithms

- Important applications: Captcha, Institutional repositories, Optical Music Recognition
- Standard OCR algorithms and improved OCR algorithms

Why ?

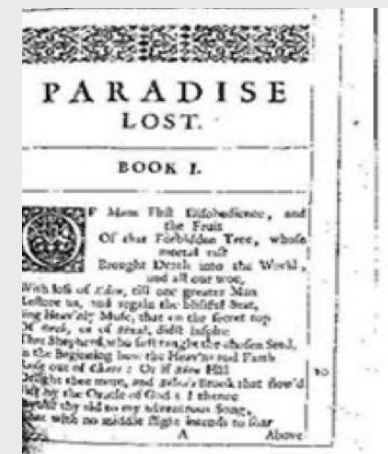
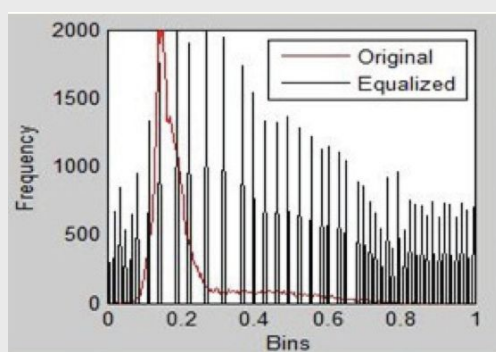
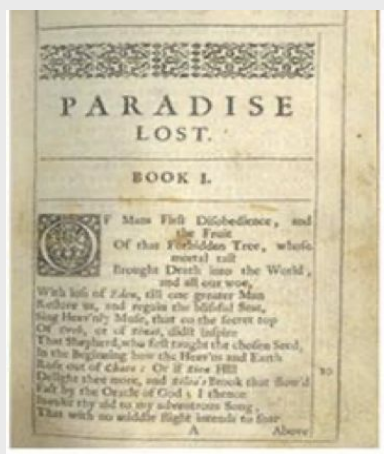
- Firstly, OCR technology plays a crucial role in converting handwritten, typewritten, or printed text into machine-readable format
- Secondly, OCR has widespread applications across various industries, including finance, healthcare, education, and administration, offering ample opportunities for research and innovation

Overview

Applications

Algorithms

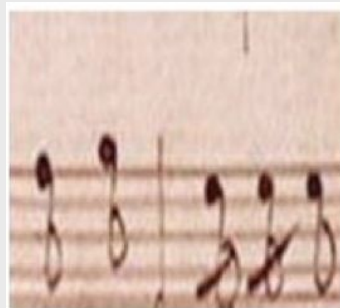
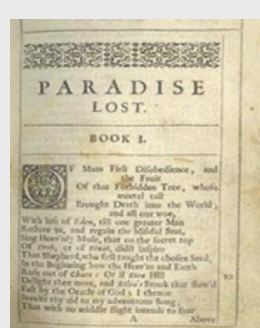
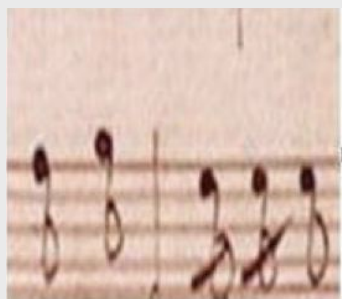
Results



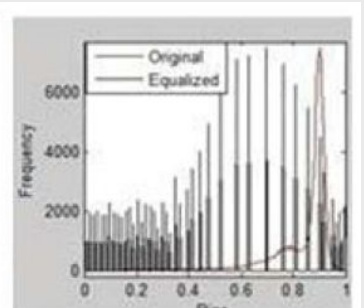
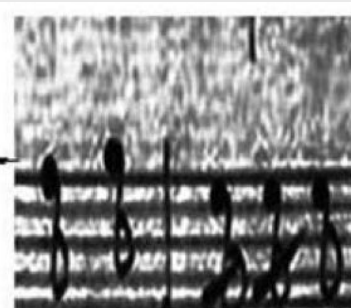
Description

1. Applications

- 3 important applications: Captcha, Institutional repositories, Optical Music Recognition



Enhanced



3. Results

- The suggested approach is highly effective in extracting various types of bimodal images, even those affected by blurriness and changes in illumination

2. Algorithms

- Standard algorithms can not recognize low quality, blur,.. pictures
- Improved algorithms can recognize low quality, blur,.. pictures

