Motivation
When visiting bookstores, people always want to find more details about the book they are interested. Generally, we want to know more comments on that book, we may also want to compare the prices for the same book from online stores. Therefore, the goal of our project is to provide readers with more book information by just taking photos of the book cover. In this way, people can make better decisions on taking books in the bookstore.

Overview of Algorithms

Step 1: Image Preprocessing
- Input image
- de-skew
- detect regions
- create bounding box
- merge

Step 2: Character Recognition
- Matlab OCR
- Tesseract OCR

Step 3: Typo Correction

Step 4: Online Price Search
- Use text information as keywords
- Amazon.com

Preprocessing
- Some limitations of digital camera like geometrical distortions will influence the performances of OCR, hence we need image preprocessing

Results

Reference