

# Research themes considered by Research Assistants

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## Extracting ROI by using Eye Movement Analysis

### 1. Background

ROI (region of interest), a general concept in the coding research, is defined as the regions in a scene which call most of human's attention. The extraction of a ROI from a image is a topic of image compression.

### 2. Idea of extraction

We try to use eye movement analysis to extract the ROI from a image. Eye movement analysis can detect the area in which the person being tested is interested.

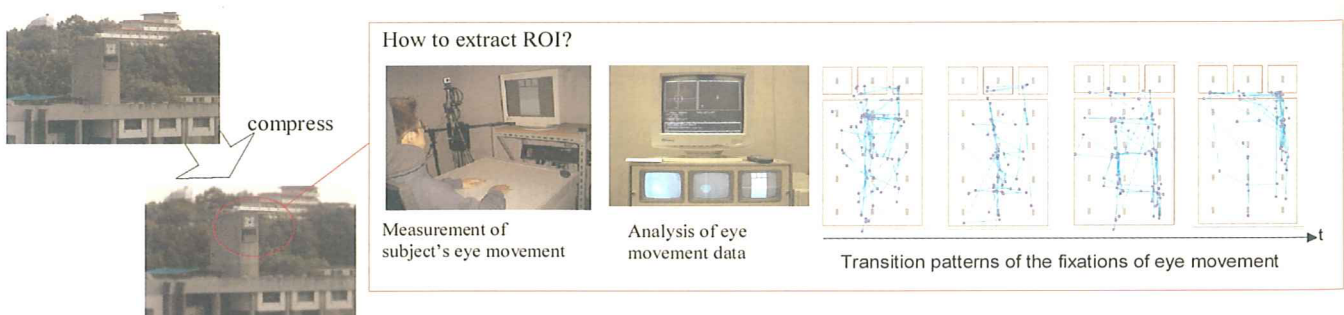


Figure 3. Extraction of the ROI from a image