Abstract

Text extraction from scene images is a defy subject in light of low resolution, complex background and textual style/text size varieties. In this paper, we design a scheme to detect text based on shape features like Euler Number, a number of pixels for each region which candidate to be a character and vertical distances as a geometric feature between these regions. We divide these features into base features to collect the text regions, and the other features as a filter to discard the non-text regions. We use some threshold with the features either to extract text regions or to discard non-text regions. The proposed method outperforms some existed method through the basis metric.

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Index Terms

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Keywords

Scene text, Shape properties, Connected-components analysis.