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Abstract

People sometimes need to focus on the specific something, and they are unable to take into account the surrounding environment. Example: driving car. In driving car, people need to focus in front of traffic conditions, and they are easy to overlook road sign. Help people notice the sign’s message with using computer vision technology. This paper major research includes learning skew text and text recognition in continuous frame. In the scene image, text almost is skew. So the result is bad in using document ORC. We let OCR kernel recognition text by learning skew text. We can find the clean image in continuous frame. It is improving the result of text recognition. In this paper, the experiment is using event data recorder to record the video. The system detection the road signs in the video frame. In the road sign detection, the precision rate can reach 92.43%. In the skew text recognition, the precision rate can reach 85.63%.

Keywords : skew text、computer vision、scene text recognition


