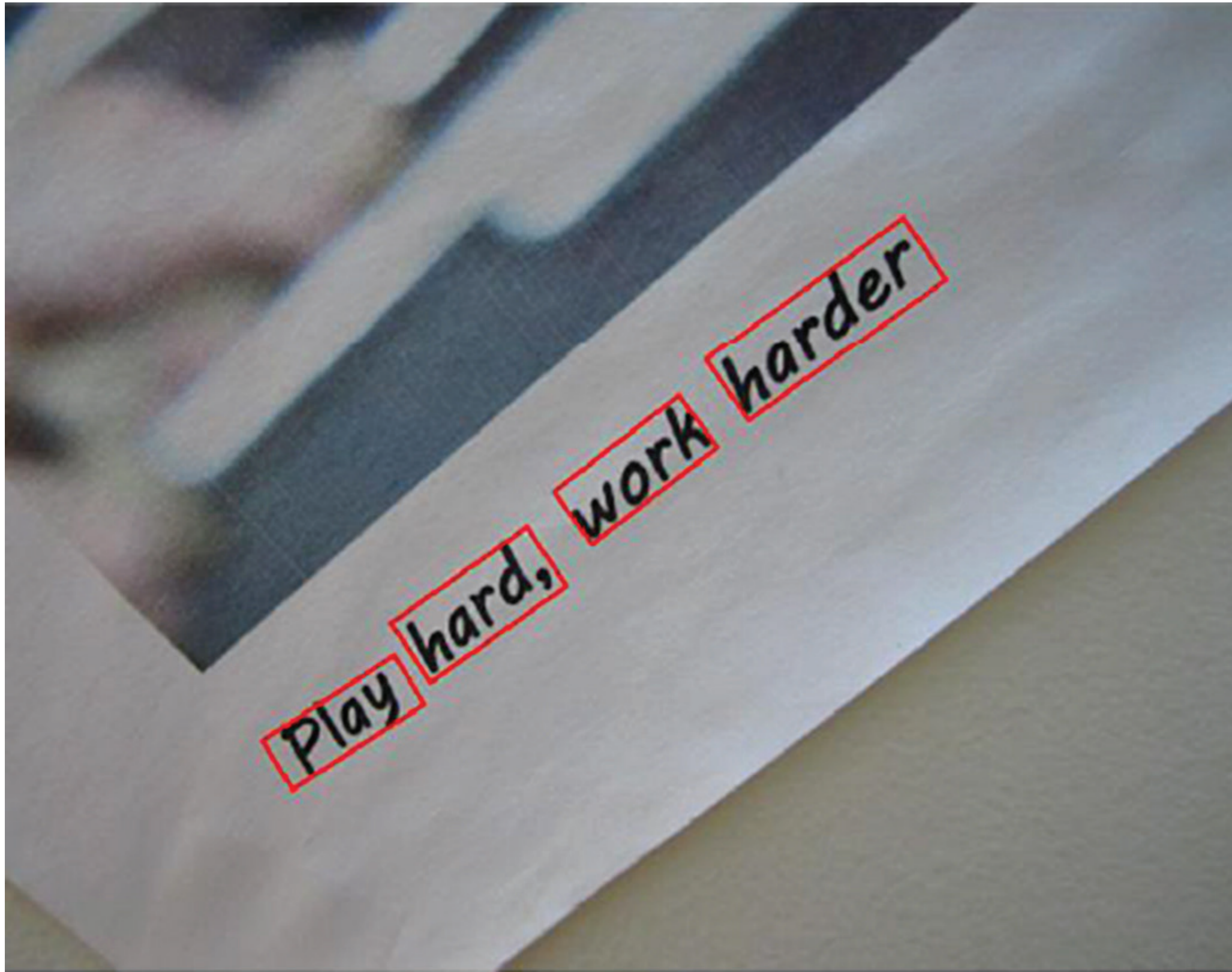


Mobile Application On A Scene Text Spotting

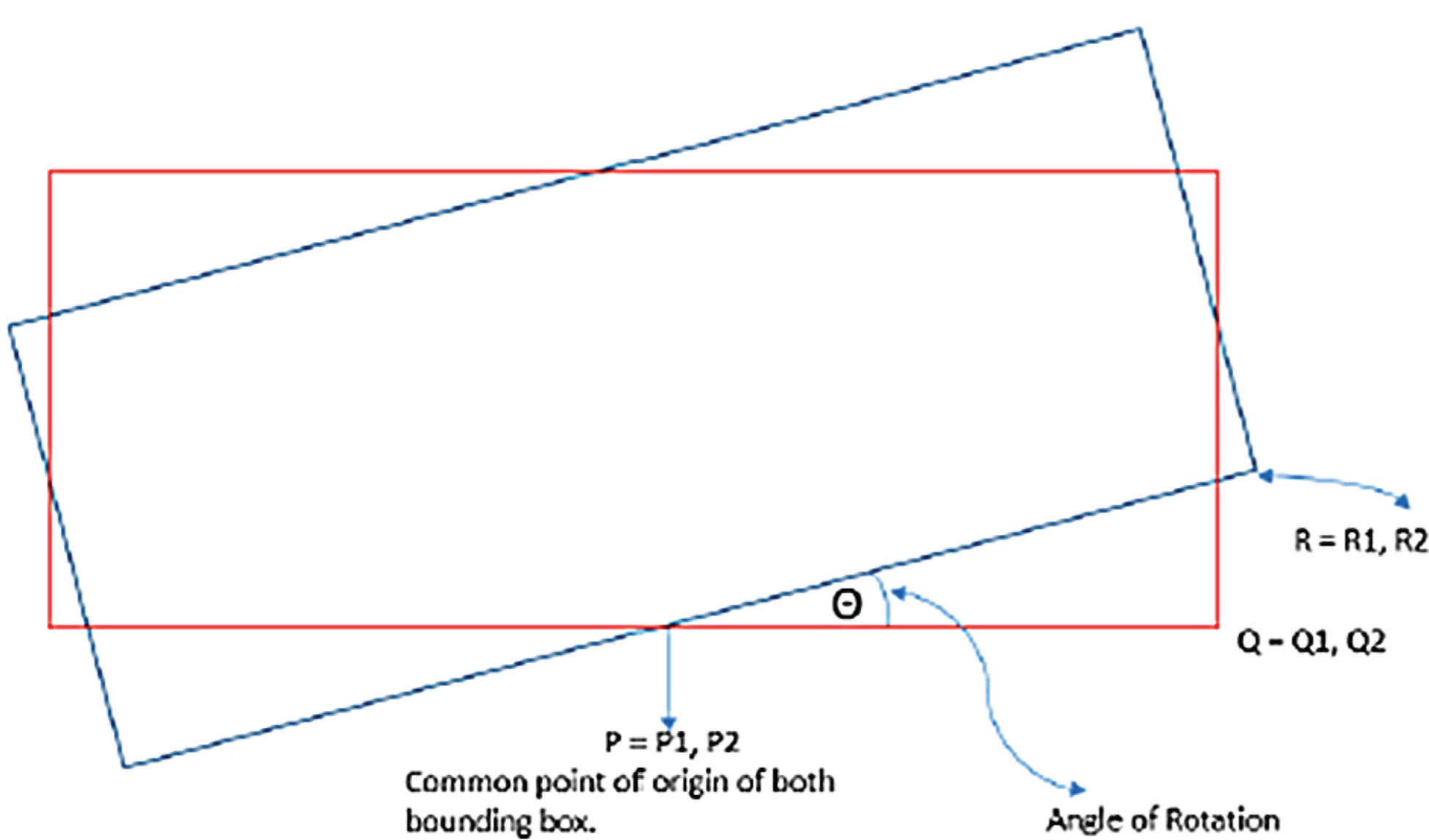
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Objective

This project aims to tackle the problem of text localization on real world images that are rotated, titled or faced with perspective distortion while maintaining real time detection ability. AYOLO and Transformer YOLO are build on YOLO object detection, it is tested on MSRA-TD500, ICDAR 2015 & 2017 competition using real-world datasets. The end goal of both network is to capture text in the wild that may be tilted, rotated or distorted with the best possible results.



Networks Innovation

Left (AYOLO): Predicting angle of rotation in the predicted bounding box.

Right (Transformer YOLO): Change bounding box prediction definition.