

Deep Fruit Detection in Orchards

Bargoti, S & Underwood, J (2017)

Why Deep Fruit Detection?

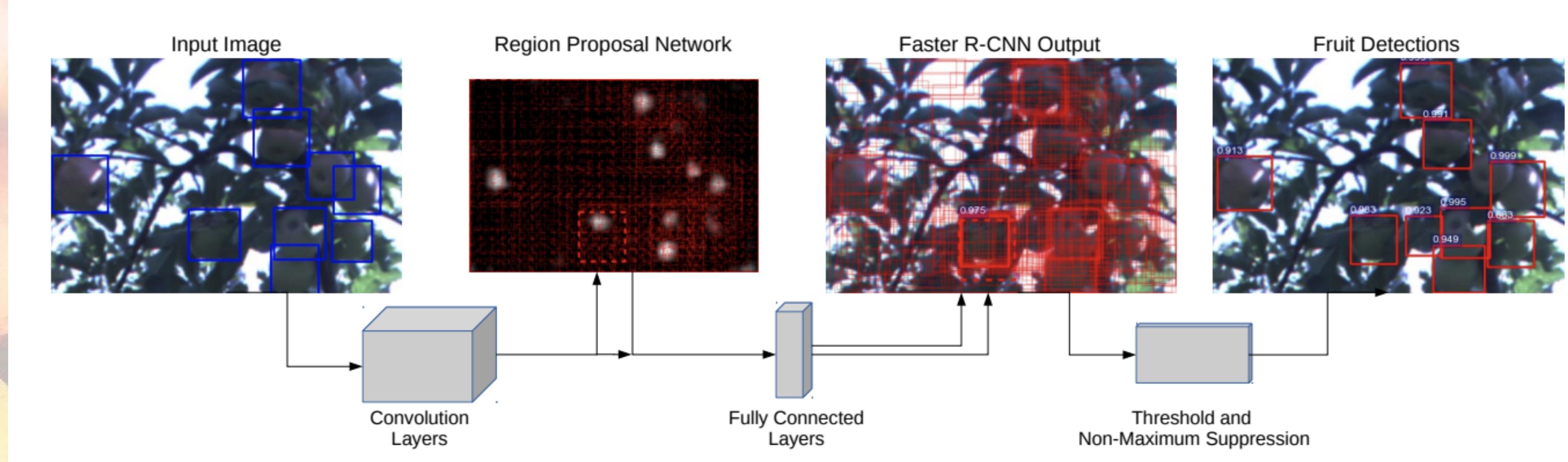
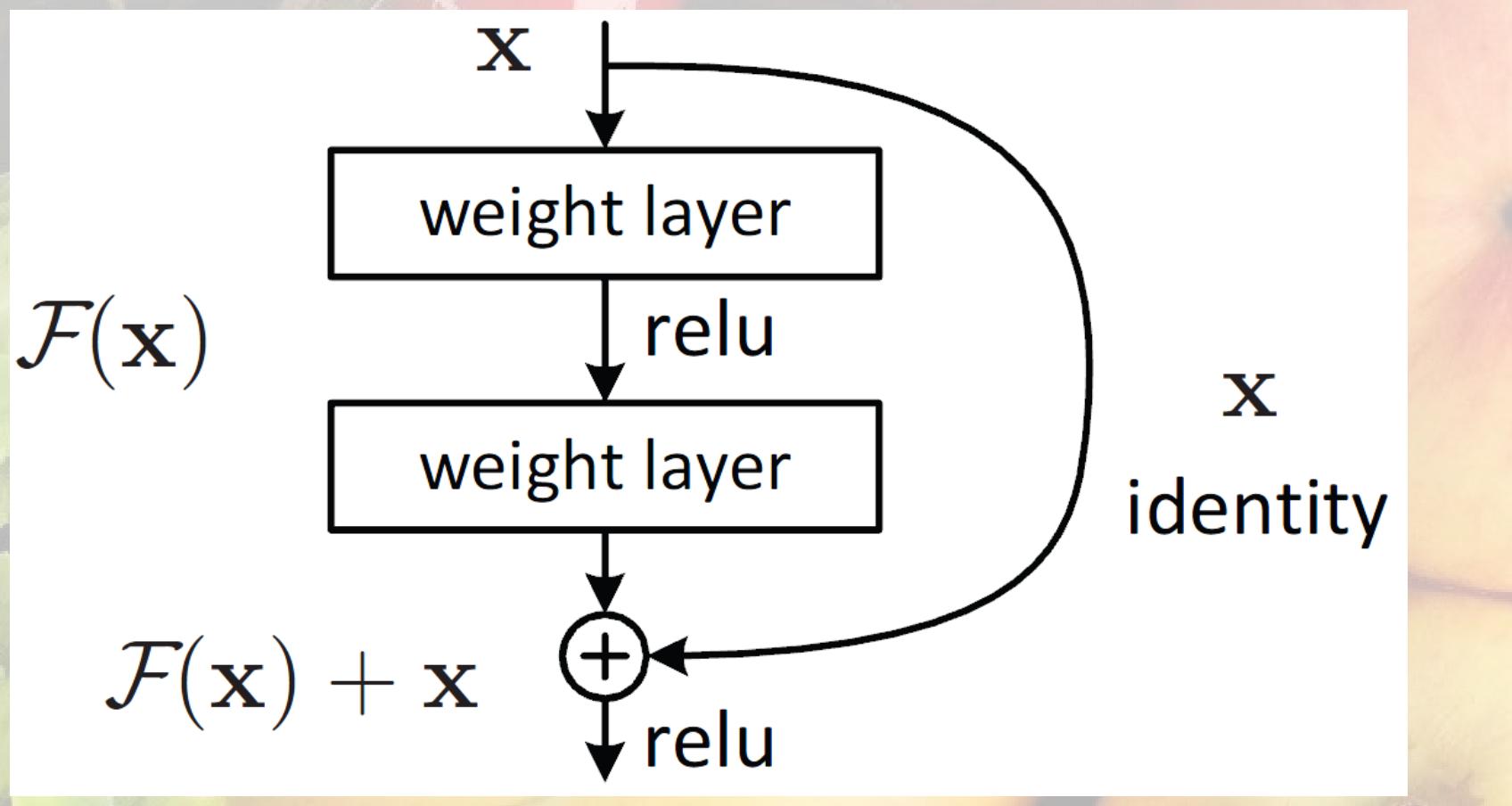
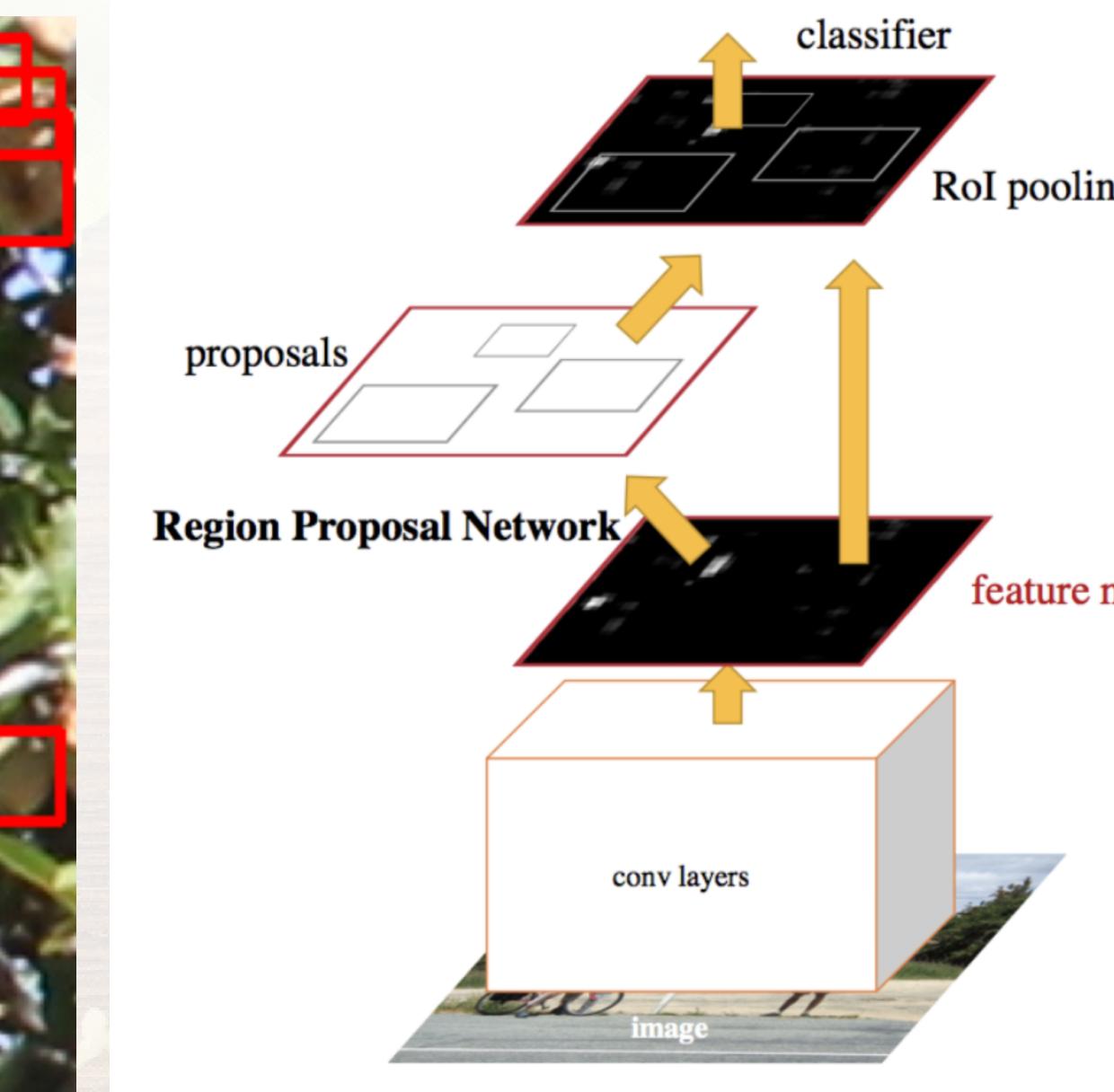
The ability to detect a variety of fruit types can greatly increase the efficiency of agriculture and fruit growing. It namely allows automated systems to pick fruit automatically.

Faster RCNN

Faster R-CNN is a special type of convolutional network that is often used for image detection. The Faster R-CNN model builds upon the earlier invented R-CNN and Fast R-CNN models.

VGG16 vs ResNet-50

Both are different backbones that act differently in an image recognition setting. We evaluate both. While VGG16 is a deep CNN, ResNet-50 is a residual network.



Results

