Notice of Intent

Real time semantic segmentation with Dilated Kernels

Daniel Johnston (danielj2@umbc.edu)

Dilated kernels can be used in existing semantic segmentation models in order to improve multi-scale object recognition and reduce the number of parameters required to do so. The result (hopefully) is a leaner model that achieves higher accuracy on a wider range of objects. We take advantage of the speed of the model in order to produce results at real-time speeds.