

# Supplementary Material for Conditional Convolutions for Instance Segmentation

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## 1 Experiments on Cityscapes

We also conduct experiments on the benchmark Cityscapes [1]. The benchmark has fine annotations for 2, 975 training, 500 validation, and 1, 525 testing images. Following Mask R-CNN [2], we only use the fine annotations to train the models. The results are reported on the Cityscapes `val` split. The training details are the same as that of Mask R-CNN on Cityscapes in `Detectron2` [3]. As shown in Table 1, CondInst outperforms Mask R-CNN by 0.4% AP on Cityscapes `val`.

Table 1: Results on Cityscapes `val` with ResNet-50-FPN.

method	AP	AP <sub>50</sub>	person	rider	car	truck	bus	train	mcycle	bicycle
Mask R-CNN	36.5	62.2	<b>35.0</b>	<b>28.8</b>	53.0	34.3	57.0	<b>37.5</b>	<b>22.3</b>	<b>23.8</b>
CondInst	<b>36.9</b>	<b>63.2</b>	<b>35.0</b>	28.4	<b>55.5</b>	<b>37.4</b>	<b>57.5</b>	36.3	22.1	23.3

## 2 More Visualization Results

Here, we show more qualitative results in Fig. 1.

## References

1. Cordts, M., Omran, M., Ramos, S., Rehfeld, T., Enzweiler, M., Benenson, R., Franke, U., Roth, S., Schiele, B.: The cityscapes dataset for semantic urban scene understanding. In: Proc. of the IEEE Conference on Computer Vision and Pattern Recognition (CVPR) (2016)
2. He, K., Gkioxari, G., Dollár, P., Girshick, R.: Mask R-CNN. In: Proc. IEEE Int. Conf. Comp. Vis. pp. 2961–2969 (2017)
3. Wu, Y., Kirillov, A., Massa, F., Lo, W.Y., Girshick, R.: Detectron2. <https://github.com/facebookresearch/detectron2> (2019)



Fig. 1: More qualitative results of CondInst.