Supplementary Material

Real-time Factored ConvNets: Extracting the X Factor in Human Parsing

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Figure 1: Domain transfer. Performance curves showing improvement over all body part classes when only GT background silhouettes are used for domain transfer during factor fine-tuning, please see experiment 4 in main paper for more details.
Figure 2: Human body segmentation. Human body segmentation output from a Factored ConvNet applied to example test images from Unite the People S31 dataset. From left to right, the image blocks show input image, ground truth segmentation and inferred segmentation.
Figure 3: Simulated occlusions. Segmentation on example images from the Unite the People S31 test set under simulated occlusion (black box). From left to right, each image block consists of (i) original image, (ii) image with simulated occlusion, (iii) ground truth (GT) segmentation, (iv) segmentation from baseline model when provided with GT silhouette, (v) segmentation from Factored ConvNet when provided with GT silhouette.