

Adaptive Appearance Rendering (Appendix)

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FCN structure

Table 1: FCN used for DeepFashion dataset

| FCN for compute the adaptive convolutional filter $\mathbf{K}_{ada-app}$ | |
|--------------------------------------------------------------------------|-----------------------------|
| Input: reference image | |
| 128 × 128 × 3 | |
| Conv1, filter=11 × 11 × 96, stride=4, padding="same" | Output size 32 × 32 × 96 |
| MaxPooling, ksize =3 × 3 × 1, stride=2, padding="valid" | Output size 15 × 15 × 96 |
| Conv2, filter=5 × 5 × 256, stride=1, padding="same" | Output size 15 × 15 × 256 |
| MaxPooling, ksize =3 × 3 × 1, stride=2, padding="valid" | Output size 7 × 7 × 256 |
| Conv3, filter 3 × 3 × 384, stride=3, padding="same" | Output size 3 × 3 × 384 |
| Conv4, filter 3 × 3 × 96, stride=1, padding="same" | Output size 3 × 3 × 96 |
| Conv5, filter 3 × 3 × 64 × 64, stride=1, padding="same" | namely, 3 × 3 × 4096 |
| | Output size 3 × 3 × 4096 |
| Reshape, Output Adaptive Convolutional Filter | Output size 3 × 3 × 64 × 64 |