Detail Me More: Improving GAN's photo-realism of complex scenes

Raghudeep Gadde   Qianli Feng   Aleix M Martinez
Amazon   Amazon   Amazon

Here we provide more qualitative results using the proposed DMM approach. Figure 4 shows sample images from the DMM-StyleGAN2 model trained on DeepRooms dataset. In order to compare the quality of samples, we show results from five GAN models including the proposed DMM-StyleGAN2 on the DeepRooms, Cityscapes and LSUN-livingroom datsets in Figures 5, 6 and 7.

Figure 4: **Qualitative results on DeepRooms dataset.** Samples at 1024×1024 from the proposed DMM-StyleGAN2 model. Notice the photo-realism around objects.
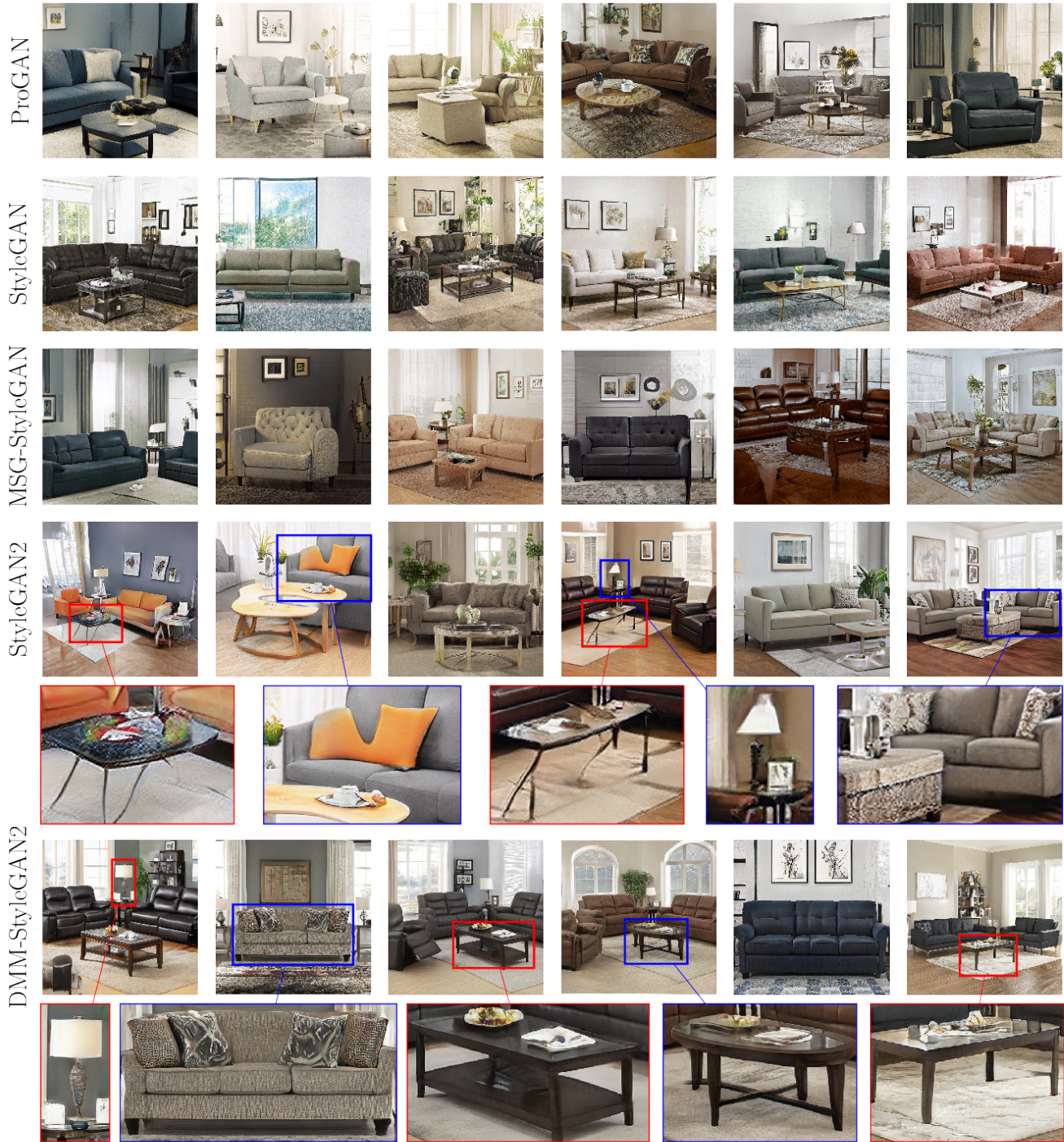
Figure 5: **Comparative results on DeepRooms dataset.** Each row from the top shows samples at 1024×1024 resolution drawn from ProGAN, StyleGAN, MSG-StyleGAN, StyleGAN2 and proposed DMM-StyleGAN2 models. For easy comparison we show zoom-ups of objects in images from StyleGAN2 and DMM-StyleGAN2.

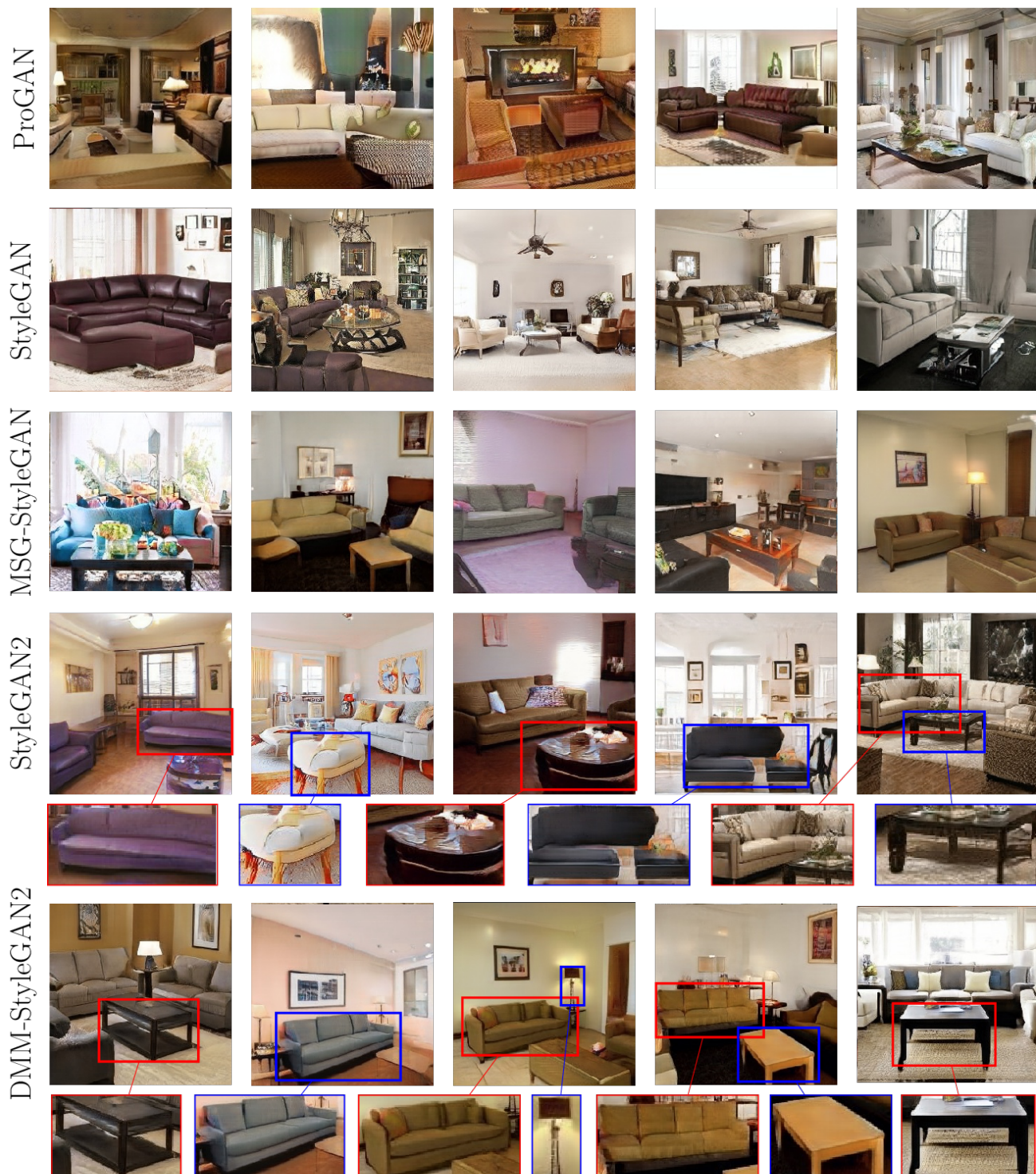Figure 6: **Comparative results on Cityscapes dataset at 1024×1024 resolution.**

Figure 7: **Comparative results on LSUN-LivingRoom dataset at 256×256 resolution.**