Additional Results. We present additional results with BigGAN and StyleGAN2 on diverse set of classes and datasets. Note that for BigGAN experiments, all directions are trained only for a single class, Bulbul, and transferred to other classes. In other words, the same direction for zoom learned in Bulbul class also works well under various other categories such as Goose, Trenchcoat and so on.

Figure 1: StyleGAN2 Bedrooms - Add/Turn on lamps
Figure 2: StyleGAN2 Bedrooms - Add sunlight

Figure 3: StyleGAN2 Car - Add building in the background
Figure 4: StyleGAN2 Car - Change ground texture

Figure 5: StyleGAN2 Car - Change style of the car
Figure 6: StyleGAN2 Cat - Change breed of the cat

Figure 7: StyleGAN2 Cat - Fluffiness
Figure 8: StyleGAN2 Cat - Rotate the cat

Figure 9: StyleGAN2 Church - Add clouds
Figure 10: StyleGAN2 Church - Zoom out

Figure 11: StyleGAN2 FFHQ - Remove forehead hair
Figure 12: StyleGAN2 FFHQ - Curlier hair

Figure 13: StyleGAN2 FFHQ - Open eyes
Figure 14: StyleGAN2 FFHQ - Put on glasses

Figure 15: StyleGAN2 FFHQ - Change haircolor
Figure 16: StyleGAN2 FFHQ - Put on a lipstick

Figure 17: StyleGAN2 FFHQ - Change pose
Figure 18: StyleGAN2 FFHQ - Smile

Figure 19: StyleGAN2 Horse - Add a rider
Figure 20: StyleGAN2 Horse - Add trees in the background

Figure 21: StyleGAN2 Horse - Change coat color

Direction: Zoom
Direction: Background Removal

Direction: Background Removal

Direction: Background Removal

Direction: Background Removal

Direction: Contrast