|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | DCGAN | CapsGAN | ACGAN | cProGAN |
| SSIM | 0.1952 | 0.2026 | 0.2355 | 0.2512 |
| PSNR | 8.93 | 8.83 | 10.24 | 10.14 |
| LPIPS | 0.8435 | 0.8699 | 0.7750 | 0.7676 |
| CLIP cos | 0.5557 | 0.5303 | 0.5654 | 0.5708 |
| 200-way ID | 0.0000 | 8.1967 | 16.3934 | 16.3934 |
| CAT | 8.1967 | 8.1967 | 8.1967 | 8.1967 |
| CFID | 0.8881 | 0.9385 | 0.8689 | 0.8588 |

Table 1: Eval Metric Results for Fine 4 Reconstructions

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | DCGAN | CapsGAN | ACGAN | cProGAN |
| SSIM | 0.2261 | 0.2362 | 0.2407 | 0.2746 |
| PSNR | 8.22 | 8.14 | 8.64 | 8.29 |
| LPIPS | 0.8332 | 0.8428 | 0.8241 | 0.7603 |
| CLIP cos | 0.5630 | 0.5547 | 0.5762 | 0.5684 |
| 200-way ID | 1.7761 | 0.0538 | 1.6146 | 0.2153 |
| CAT | 24.4349 | 8.0732 | 1.6146 | 11.3025 |
| CFID | 0.8504 | 0.8712 | 0.8300 | 0.8580 |

Table 2: Eval metric results for Fine 3 Reconstructions

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | DCGAN | CapsGAN | ACGAN | cProGAN |
| SSIM | 0.1879 | 0.1347 | 0.1887 | 0.2036 |
| PSNR | 9.09 | 7.54 | 9.21 | 9.04 |
| LPIPS | 0.8196 | 0.8732 | 0.8487 | 0.8302 |
| CLIP cos | 0.5273 | 0.5156 | 0.4963 | 0.5464 |
| 200-way ID | 8.1967 | 16.3934 | 8.1967 | 8.1967 |
| CAT | 16.3934 | 16.3934 | 16.3934 | 16.3934 |
| CFID | 0.9431 | 0.9665 | 1.0078 | 0.9087 |

Table 3: Eval metric results for Fine 2 Reconstructions

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | DCGAN | CapsGAN | ACGAN | cProGAN |
| SSIM | 0.2055 | 0.1508 | 0.2091 | 0.2403 |
| PSNR | 10.00 | 7.50 | 10.60 | 10.75 |
| LPIPS | 0.8117 | 0.8783 | 0.8010 | 0.7807 |
| CLIP cos | 0.5112 | 0.4536 | 0.4844 | 0.5713 |
| 200-way ID | 8.5106 | 3.1915 | 3.1915 | 21.8085 |
| CAT | 7.9787 | 7.9787 | 7.9787 | 0.00 |
| CFID | 0.9789 | 1.0921 | 1.0267 | 0.8578 |

Table 4: Eval metric results for Fine 1 Reconstructions

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | DCGAN | CapsGAN | ACGAN | cProGAN |
| SSIM | 0.2190 | 0.2157 | 0.1943 | 0.2010 |
| PSNR | 8.54 | 8.47 | 8.52 | 8.27 |
| LPIPS | 0.8946 | 0.9043 | 0.8986 | 0.8839 |
| CLIP cos | 0.6113 | 0.5957 | 0.6182 | 0.5957 |
| 200-way ID | 0.00 | 8.5561 | 16.5775 | 8.5561 |
| CAT | 8.5561 | 0.00 | 17.1123 | 27.8075 |
| CFID | 0.7772 | 0.8091 | 0.7648 | 0.8081 |

Table 5: Eval metric results for Fine 0 Reconstructions

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | DCGAN | CapsGAN | ACGAN | cProGAN |
| SSIM | 0.2067±0.0574 | 0.1837±0.01848 | 0.2137±0.05935 | 0.2341±0.06504 |
| PSNR | 8.9560±2.4878 | 8.1067±0.8224 | 9.4420±2.6228 | 9.2980±2.5828 |
| LPIPS | 0.8405±0.2335 | 0.8726±0.03181 | 0.82948±0.2304 | 0.8045±0.2235 |
| CLIP cos | 0.5537±0.1538 | 0.5345±0.04260 | 0.5481±0.1523 | 0.5705±0.1585 |
| 200-way ID | 3.6967±3.5154 | 8.8826±4.1499 | 9.1947±6.06025 | 11.0340±6.6040 |
| CAT | 13.1120±6.3250 | 11.5509±7.7618 | 10.2591±5.4690 | 12.7400±7.8845 |
| CFID | 0.8875±0.2465 | 0.9266±0.08716 | 0.8996±0.2499 | 0.8583±0.2384 |

Table 6: Mean and standard deviation across Fine Splits

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | DCGAN | CapsGAN | ACGAN | cProGAN |
| SSIM | 0.2004 | 0.1876 | 0.1941 | 0.2206 |
| PSNR | 8.39 | 8.52 | 9.42 | 8.99 |
| LPIPS | 0.8638 | 0.8633 | 0.8262 | 0.8322 |
| CLIP cos | 0.5420 | 0.5366 | 0.5430 | 0.5503 |
| 200-way ID | 0.6910 | 0.0648 | 1.2956 | 0.9069 |
| CAT | 1.6195 | 2.5912 | 2.5912 | 2.5912 |
| CFID | 0.8847 | 0.9046 | 0.9127 | 0.8937 |

Table 7: Results for Coarse Split