|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Missing angles | 30 ° | | 60 ° | | 90 ° | |
| Method | PSNR | SSIM | PSNR | SSIM | PSNR | SSIM |
| Non-scaled CAD | 22.47 | 0.88 | 19.24 | 0.78 | 17.06 | 0.68 |
| Scaled CAD | 23.13 | 0.88 | 21.31 | 0.77 | 19.66 | 0.66 |
| Linear Interpolation | 23.55 | 0.87 | 22.63 | 0.82 | 20.01 | 0.75 |
| Unet | 9.93 | 0.43 | 8.35 | 0.24 | 7.69 | 0.15 |
| Unet and CAD | 16.78 | 0.83 | 12.90 | 0.72 | 10.95 | 0.61 |
| GAN Inpainting | 6.95 | 0.80 | 3.82 | 0.64 | 1.95 | 0.47 |
| CAD and pix2pix inference | **29.10** | **0.92** | **27.76** | **0.88** | **27.08** | **0.83** |

Table 1 : Quantitative performance improvement on the sinogram, comparison between the implemented methods

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Missing angles | 30 ° | | 60 ° | | 90 ° | |
| Method | PSNR | SSIM | PSNR | SSIM | PSNR | SSIM |
| No Interpolation | 69.15 | 1.00 | 66.47 | 1.00 | 63.77 | 1.00 |
| Scaled CAD | 61.33 | 0.99 | 58.28 | 0.99 | 56.28 | 0.99 |
| Linear Interpolation | 61.23 | 1.00 | 61.76 | 1.00 | 59.37 | 1.00 |
| Unet | 52.67 | 0.99 | 51.42 | 0.99 | 51.43 | 0.99 |
| Unet and CAD | 60.35 | 1.00 | 56.50 | 1.00 | 55.12 | 0.99 |
| GAN Inpainting | 53.41 | 1.00 | 51.40 | 0.99 | 50.90 | 0.99 |
| CAD and pix2pix inference | **69.59** | **1.00** | **67.89** | **1.00** | **66.46** | **0.83** |

Table 2 : Quantitative performance improvement on the reconstruction, comparison between the implemented methods