Experimental Results (Tables)

Table 1

The average PSNR (dB) of the general images.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Image |  |  |  |  |
| Aerial | 48.97 | 49.01 | 49.12 | 48.86 |
| Airplane | 51.90 | 49.02 | 49.06 | 48.95 |
| Pepper | 49.05 | 49.04 | 49.02 | 49.01 |
| Male | 49.07 | 49.03 | 49.05 | 49.06 |

Table 2

The average PSNR (dB) of the medical images.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Image |  |  |  |  |
| Hand | 53.36 | 53.56 | 53.26 | 53.24 |
| Chest | 53.55 | 53.63 | 53.53 | 53.64 |
| Head | 51.54 | 51.35 | 51.56 | 51.52 |
| Leg | 52.65 | 52.70 | 52.56 | 52.23 |

Table 3

The comparison of PSNR (dB) of the general images between the proposed method and previous works

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Image |  | | |  | | |  | | |
| **Proposed scheme** | **Meng *et al.*, 2021** | **Yuan *et al.*, 2016** | **Proposed scheme** | **Meng *et al.*, 2021** | **Yuan *et al.*, 2016** | **Proposed scheme** | **Meng *et al.*, 2021** | **Yuan *et al.*, 2016** |
| Aerial | 49.01 | 44.17 | 40.12 | 49.12 | 44.14 | 40.10 | 48.86 | 44.13 | 40.02 |
| Airplane | 49.02 | 44.18 | 40.20 | 49.06 | 44.13 | 40.16 | 48.95 | 44.14 | 40.09 |
| Pepper | 49.04 | 44.15 | 41.01 | 49.02 | 44.16 | 40.90 | 49.01 | 44.15 | 40.87 |
| Male | 49.03 | 44.16 | 40.13 | 49.05 | 44.15 | 40.08 | 49.06 | 44.16 | 40.05 |

Table 4

The comparison of PSNR (dB) of the medical images between the proposed method and previous works

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Image |  | | |  | | |  | | |
| **Proposed scheme** | **Meng *et al.*, 2021** | **Yuan *et al.*, 2016** | **Proposed scheme** | **Meng *et al.*, 2021** | **Yuan *et al.*, 2016** | **Proposed scheme** | **Meng *et al.*, 2021** | **Yuan *et al.*, 2016** |
| Hand | 53.56 | 47.12 | 43.10 | 53.26 | 46.13 | 42.63 | 53.24 | 45.65 | 42.11 |
| Chest | 53.63 | 47.16 | 44.21 | 53.53 | 47.14 | 43.07 | 53.64 | 46.48 | 42.91 |
| Head | 51.35 | 49.02 | 44.52 | 51.56 | 46.15 | 43.89 | 51.52 | 47.17 | 42.73 |
| Leg | 52.70 | 48.38 | 43.05 | 52.56 | 47.16 | 44.05 | 52.23 | 47.13 | 42.67 |