We conducted some experiments that were not included in the original paper.

Quantitative Evaluation

We download Synthetic Objective Testing Set (SOTS) (<https://www.kaggle.com/datasets/balraj98/synthetic-objective-testing-set-sots-reside>) which contains 500 outdoor images and 50 indoor images. We only use the 500 outdoor images for evaluation. Before we use our method to produce dehazed images we removed 8 duplicate images to make sure the metric calculation run smoothly. The result is as follows.

EVALUATIONS RESULTS OF DEHAZED RESULTS ON SOTS.

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | DCP | FVR | BCCR | GRM | CAP | NLD | DehazeNet | MSCNN | AOD-Net | Ours |
| PSNR | 16.62 | 15.72 | 16.88 | 18.86 | 19.05 | 17.29 | 21.14 | 17.57 | 19.06 | 18.49 |
| SSIM | 0.8179 | 0.7483 | 0.7913 | 0.8553 | 0.8364 | 0.7489 | 0.8472 | 0.8102 | 0.8504 | 0.8086 |

‘Ours’ represents the method we are learning, not the method we proposed, and we did not propose a new method.

The qualitative results and quantitative results are our own effort, not from papers we are referring. Our code is available at <https://github.com/sawyercharlton/image-dehazing-learning>