Single Image Reflection Removal Beyond Linearity
Supplementary Materials

Qiang Wen[1], Yinjie Tan[1], Jing Qin[2], Wenxi Liu[3], Guoqiang Han[1], Shengfeng He[1*]

[1] School of Computer Science and Engineering, South China University of Technology
[2] Department of Nursing, Hong Kong Polytechnic University
[3] College of Mathematics and Computer Science, Fuzhou University

1. More Qualitative Results

References

[1] Qingnan Fan, Jiaolong Yang, Gang Hua, Baoquan Chen, and David P Wipf. A generic deep architecture for single image reflection removal and image smoothing. In *ICCV*, pages 3258–3267, 2017. 2, 3, 4, 5, 6, 7

[2] Renjie Wan, Boxin Shi, Ling-Yu Duan, Ah-Hwee Tan, and Alex C Kot. Benchmarking single-image reflection removal algorithms. In *ICCV*, 2017. 2

[3] Jie Yang, Dong Gong, Lingqiao Liu, and Qinfeng Shi. Seeing deeply and bidirectionally: A deep learning approach for single image reflection removal. In *ECCV*, pages 654–669, 2018. 2, 3, 4, 5, 6, 7

[4] Xuaner Zhang, Ren Ng, and Qifeng Chen. Single image reflection separation with perceptual losses. *CVPR*, 2018. 2, 3, 4, 5, 6, 7
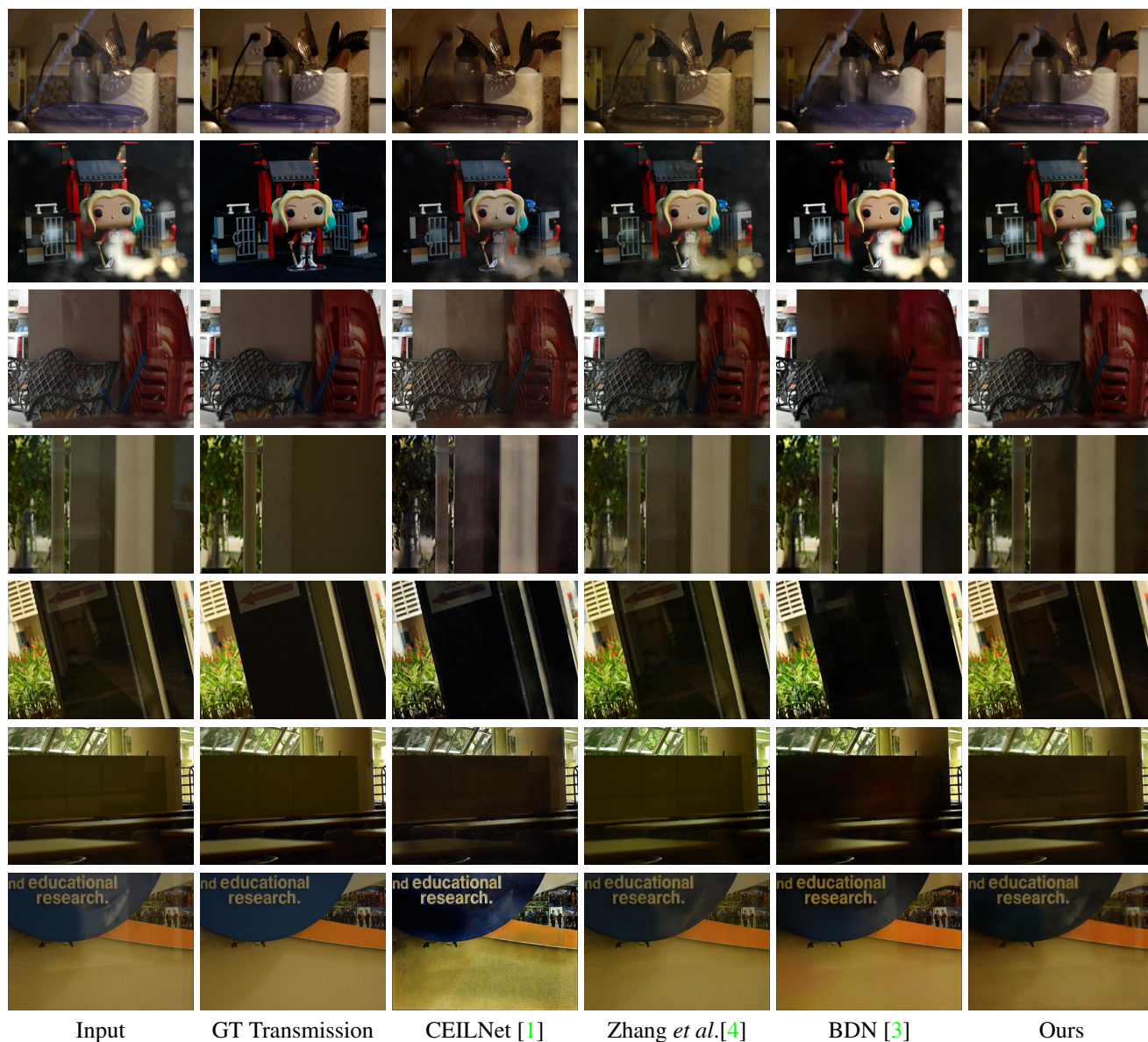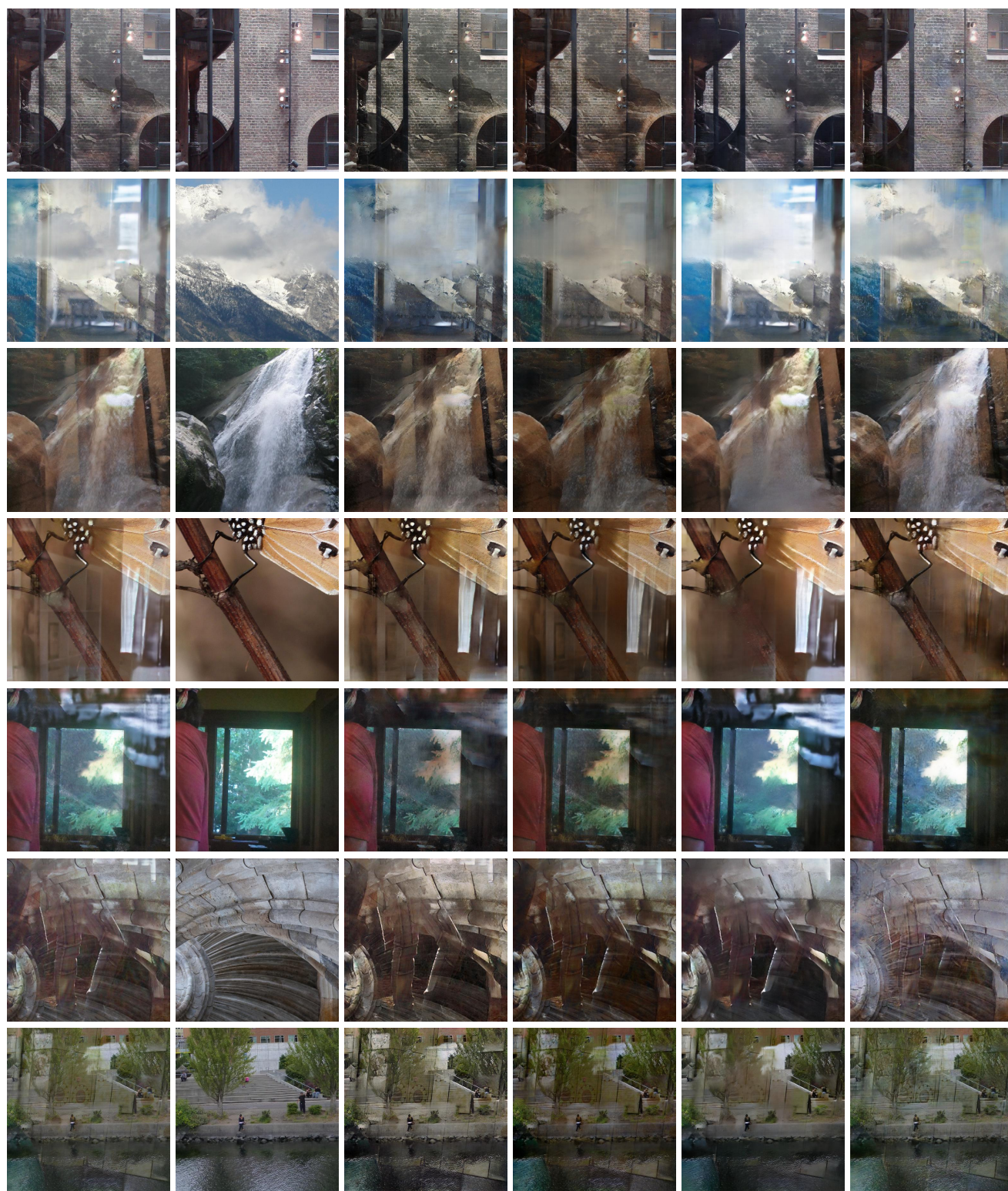
*Corresponding author (hesfe@scut.edu.cn).

| Input | GT Transmission | CEILNet [1] | Zhang *et al.*[4] | BDN [3] | Ours |

Figure 1. More results of Zhang *et al.*[4] and SIR^2 [2]
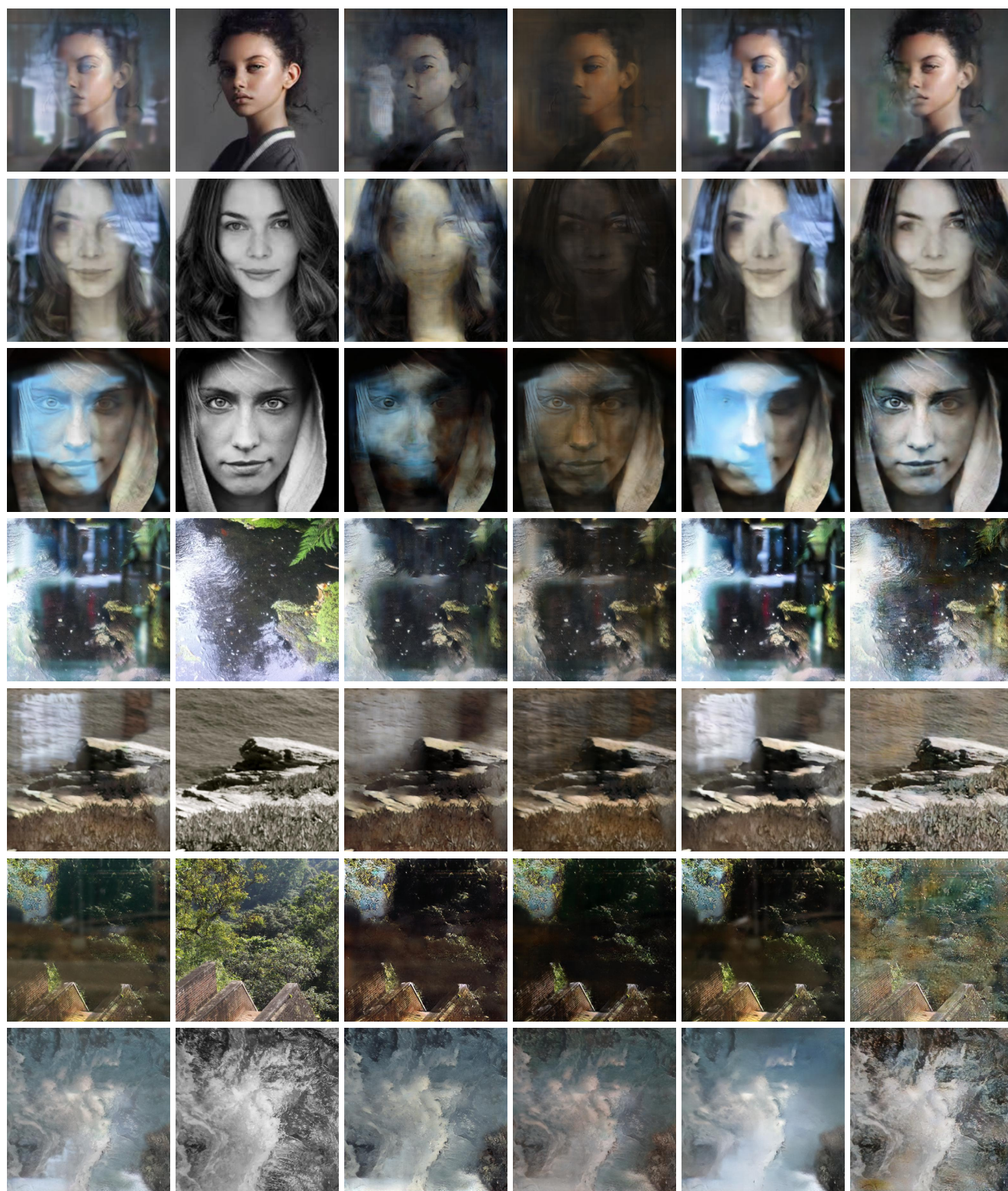
| Input | GT Transmission | CEILNet[1] | Zhang *et al*.[4] | BDN [3] | Ours |

Figure 2. More results of Syn. Focused
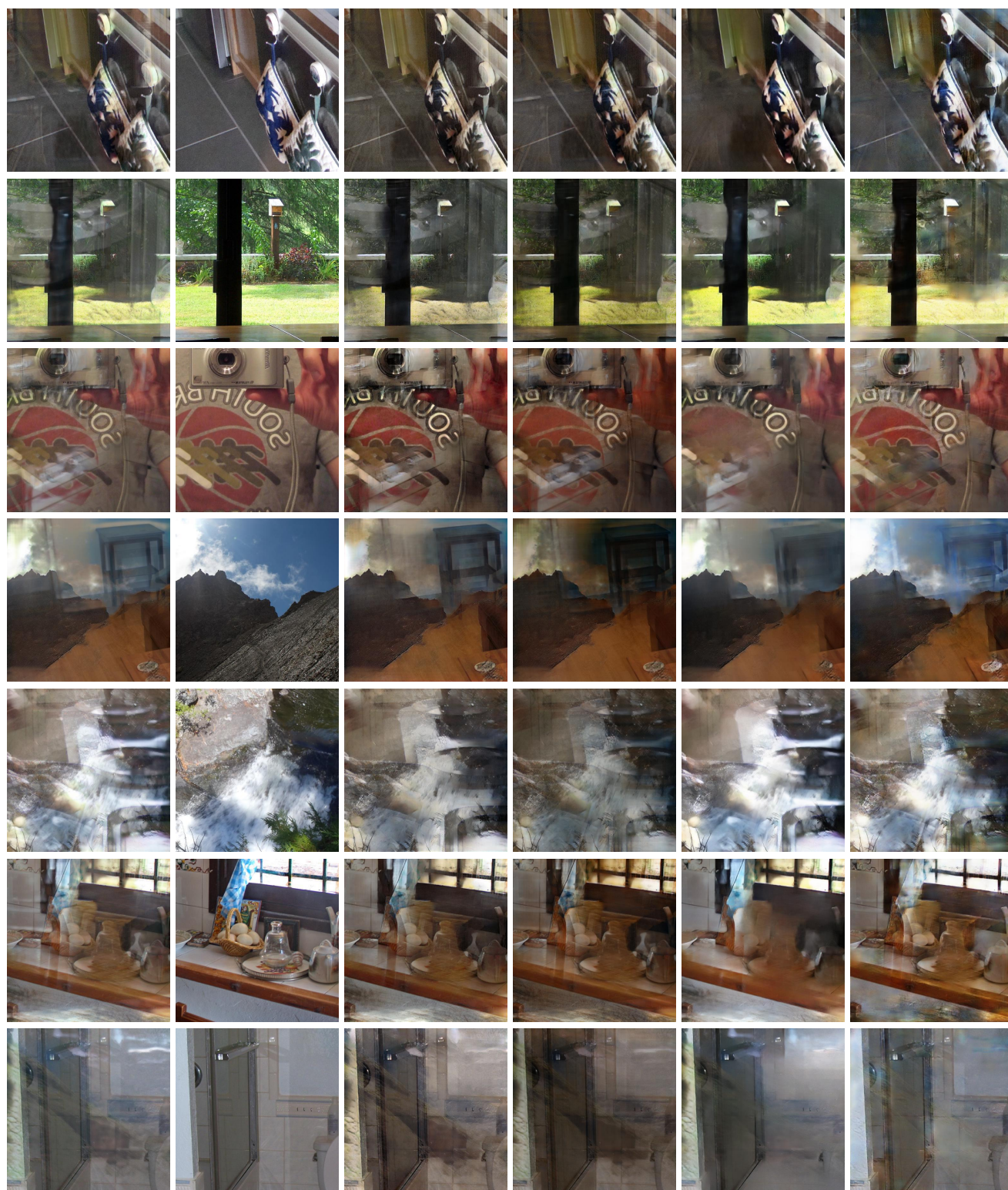
| Input | GT Transmission | CEILNet[1] | Zhang *et al*.[4] | BDN [3] | Ours |

Figure 3. More results of Syn. Defocused

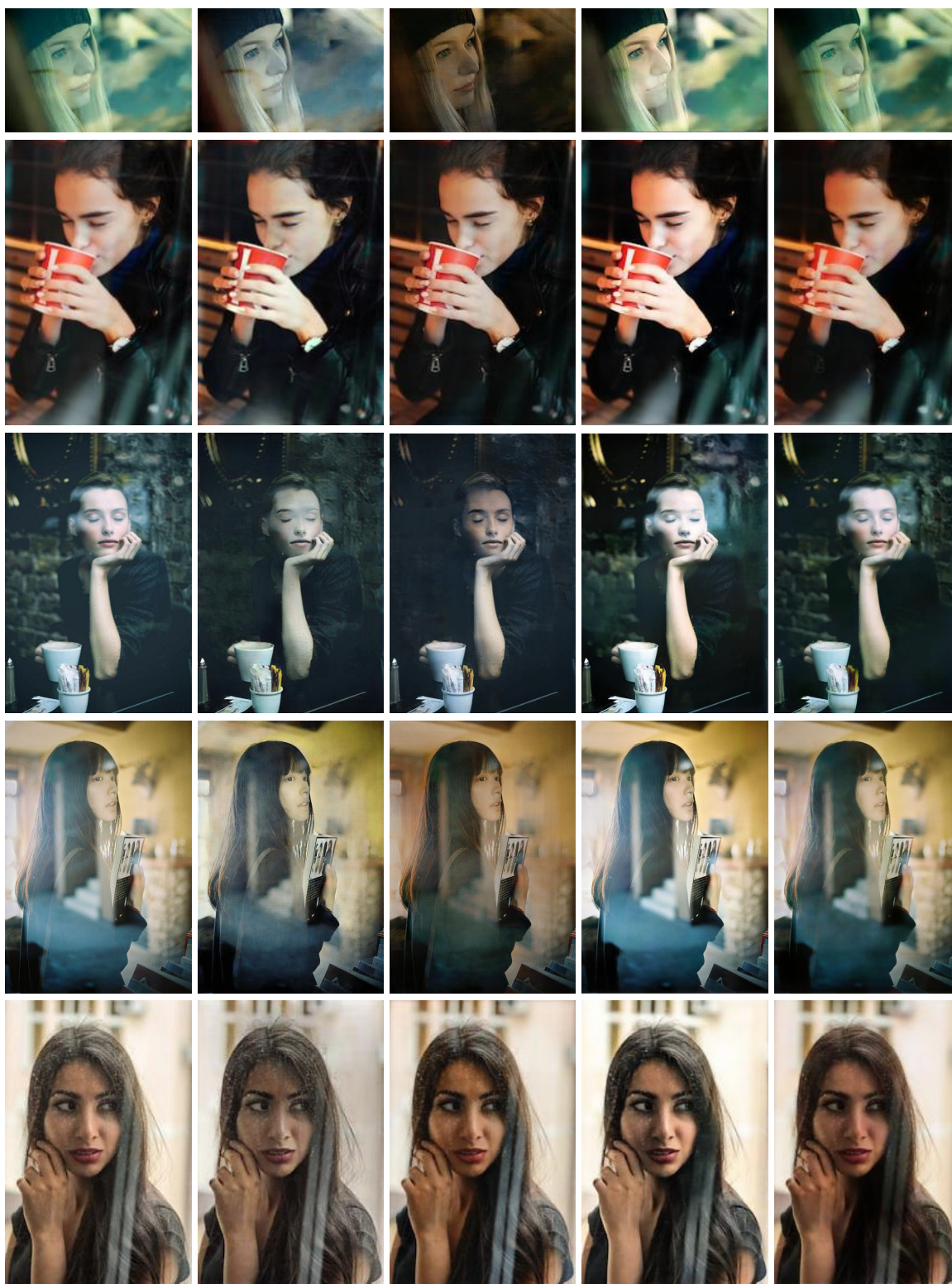| Input | GT Transmission | CEILNet[1] | Zhang *et al.*[4] | BDN [3] | Ours |

Figure 4. More results of Syn. Ghosting

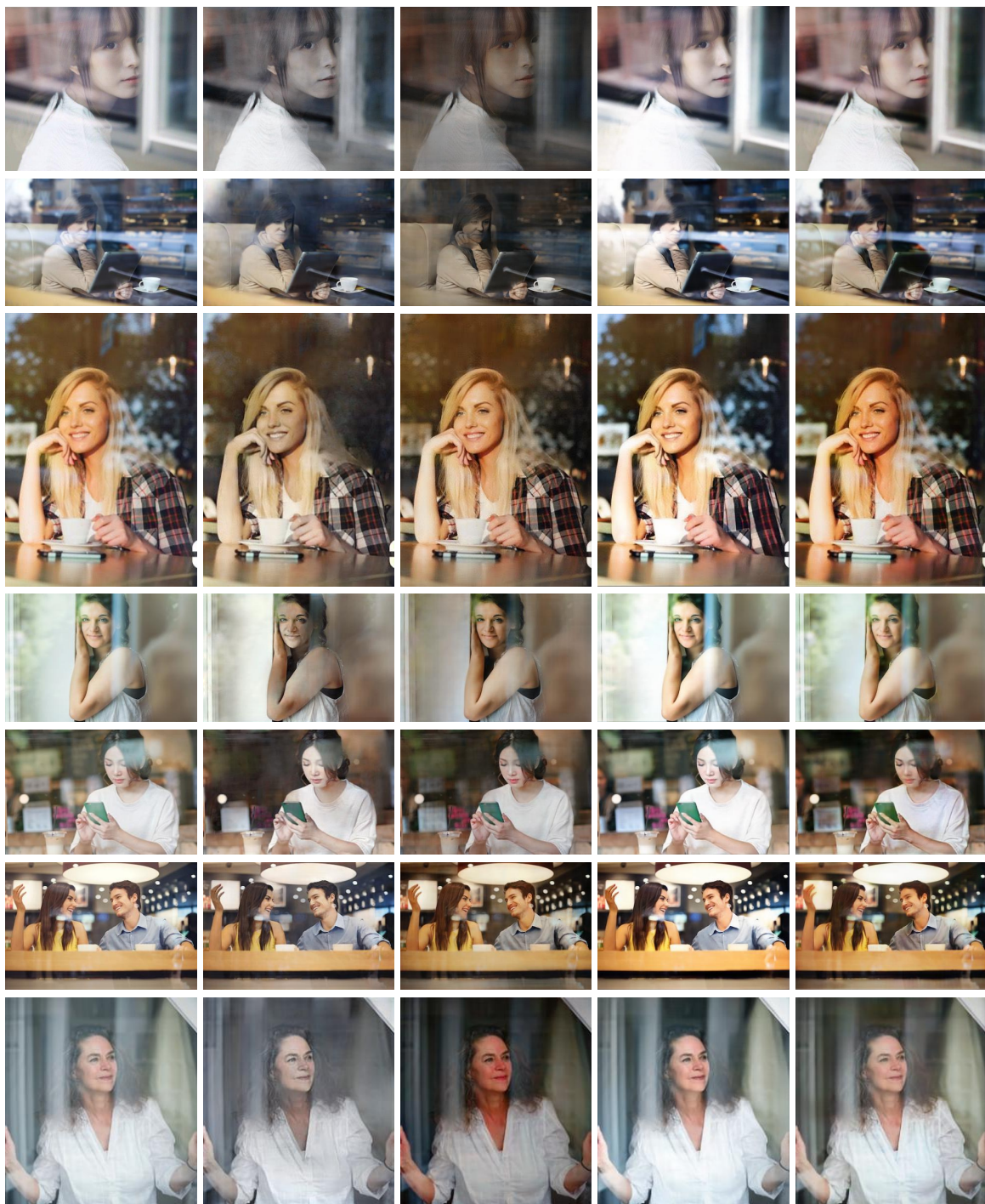Input   CEILNet[1]   Zhang *et al.*[4]   BDN [3]   Ours

Figure 5. More results of real-world reflection images (1)

| Input | CEILNet[1] | Zhang *et al.*[4] | BDN [3] | Ours |

Figure 6. More results of real-world reflection images (2)