Supplementary Material: Stacked Deep Multi-Scale Hierarchical Network for Fast Bokeh Effect Rendering from a Single Image

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1. Additional qualitative comparison on EBB Val294 set

In this section we show additional qualitative comparison between different methods in literature on *EBB* [2] Val294 set (refer to Fig. 1).



Figure 1. Comparison with other methods. From left: (a) Input Image (b) SKN [3] (c) DBSI [1] (d) PyNet [2] (e) DMSHN (ours) (f) Stacked DMSHN (ours) (g) Ground Truth.

2. Qualitative comparison on EBB test set

Qualitative comparison between different state-of-the-art methods on *EBB* [?] Test set are shown in Fig. 2. Please note that ground truth images for this set is not available yet.



Figure 2. Comparison with other methods. From left: (a) Input Image (b) SKN [3] (c) DDDF [4] (d) DBSI [1] (e) PyNet [2] (f) DMSHN (ours) (g) Stacked DMSHN (ours)

3. Importance of residual connections between encoded features in DMSHN:

Additional demonstration for importance of residual connections in DMSHN is shown in Fig. 3.



Figure 3. Effect of residual connection between encoders of different levels. From left: (a) Input Image (b) DMSHN (w/o res.) (c) DMSHN (with res.) (d) Ground Truth.

References

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