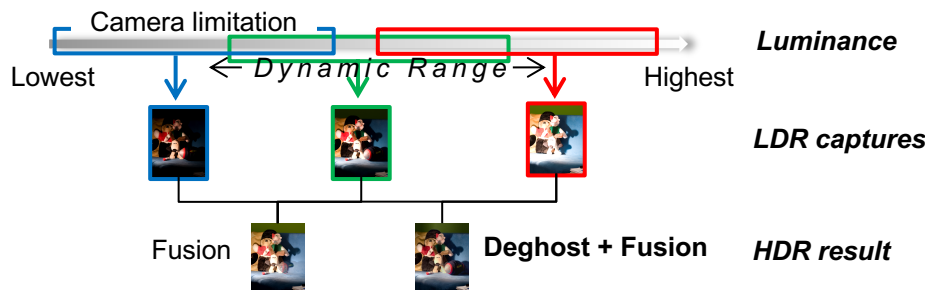


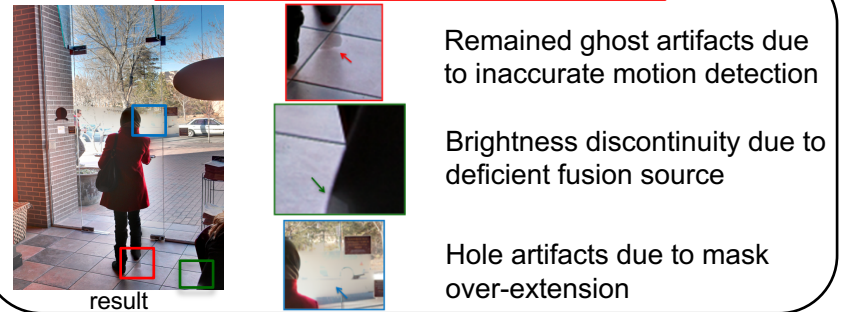
Visual Saliency and Enhanced Mask Blending Based Robust Multi-Exposure Fusion for Ghost-Free High-Dynamic-Range Imaging

修士課程卒業 王子杰

Research background



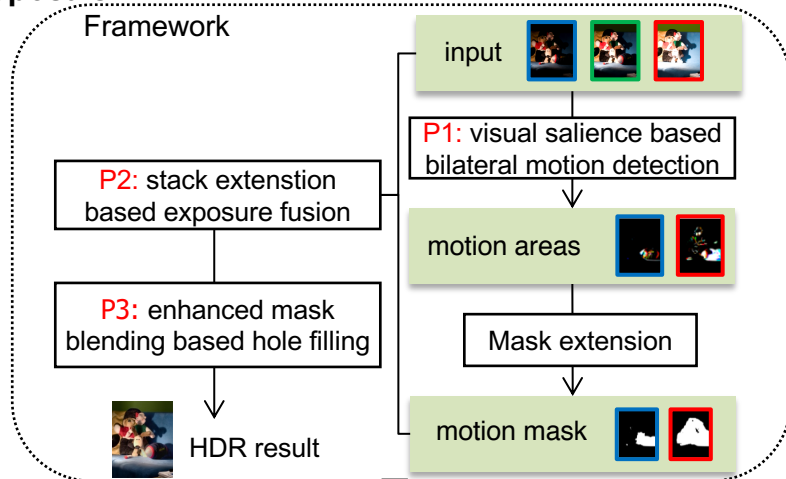
Problems in conventional works



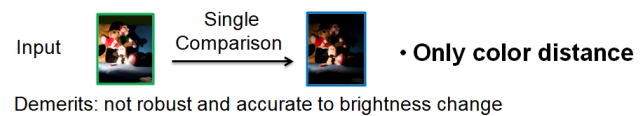
Research target

Robust multi-exposuren fusion anti ghost artifacts, brightness discontinuity, and hole artifacts.

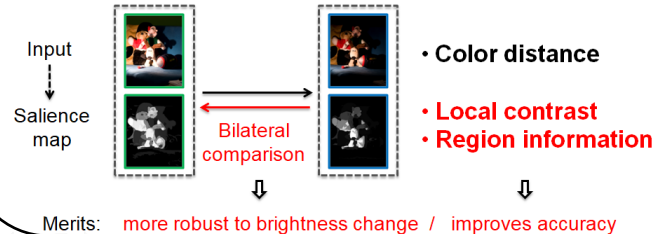
Proposals



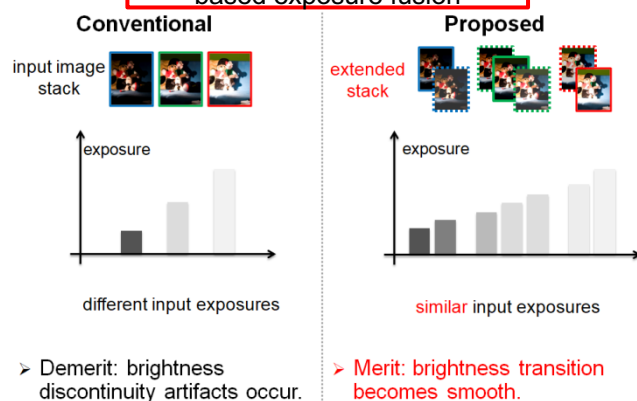
Conventional



Proposed

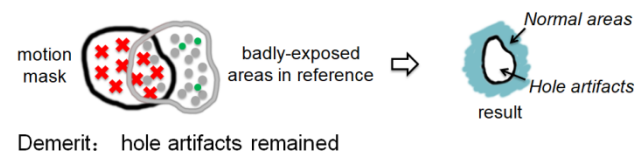


P2: stack extension based exposure fusion

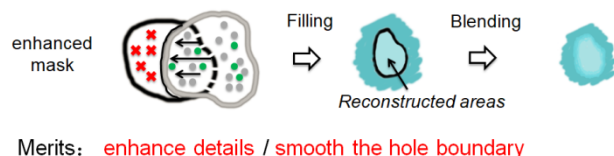


P3: enhanced mask blending based hole filling

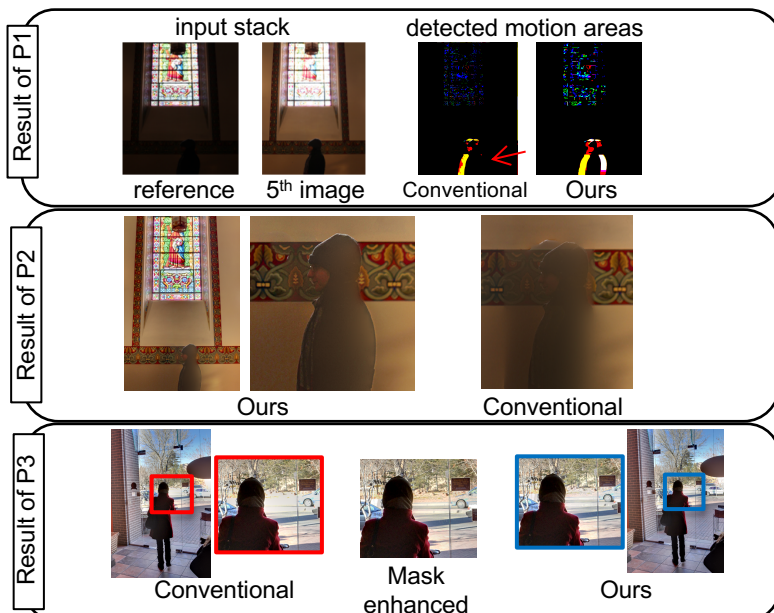
Conventional: no hole filling post-processing



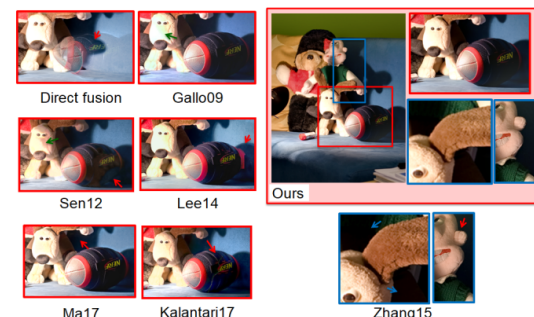
Proposed



Experiment results



Static camera dataset



Handheld camera dataset



Conclusion

The proposed method removes remained ghost artifacts, reduces brightness discontinuity, and fills more details to hole areas with smooth boundary.



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