

Project 1

I. Team51

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II. ReadMe

- Run

- python main.py

- Arguments

- python main.py --help
- `'--input_dir' default='./data/input/02/'`
- `'--output_dir', default='./data/output/02/debevec/'`

- Advise

1. Image resolution 480*720 ↓
2. Images number of input 15 ↓

- Time cost

- Resolution : 480*720
- Num : 13
- Cost : 150s

III. Implement

- Image Alignment

- Median Threshold Bitmap(MTB)

- HDR

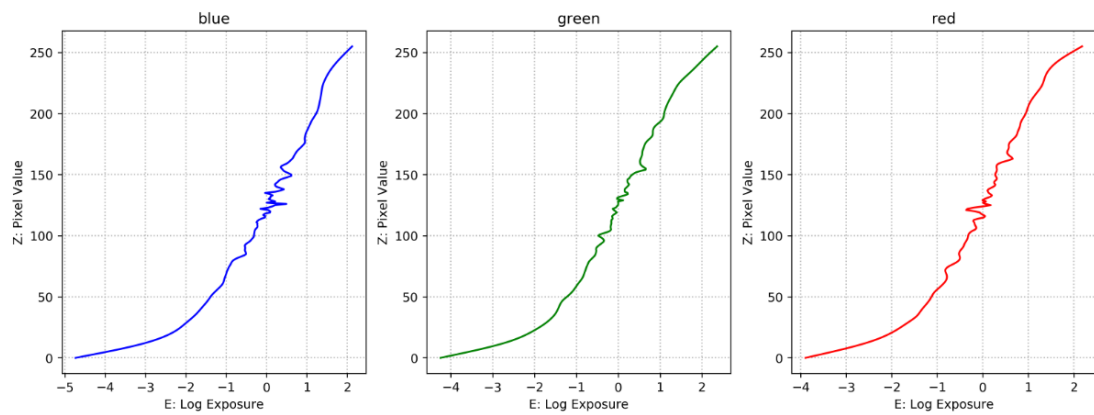
- Debevec method

- Tone Mapping

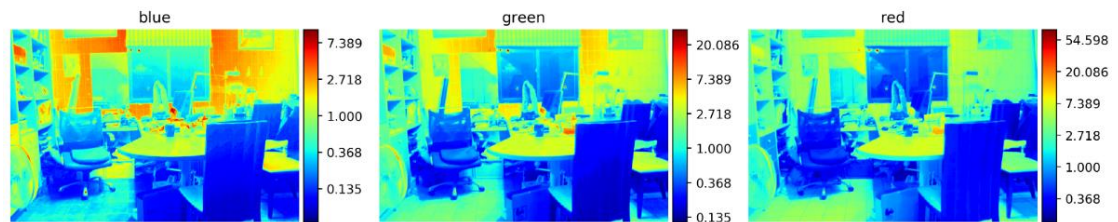
- Photographic Global
- Photographic Local
- Bilateral
 - Use cv2.bilateralFilter() to implement this method

IV. Comparison

➤ Response Curve



➤ Radiance



➤ Tone Mapping

Photographic Global	Photographic Local
Bilateral	