Project 2:
Image Stitching

Goal

- Two input images → a stitched image

References

- http://matthewalunbrown.com/papers/ijcv2007.pdf

Baseline

- SIFT keypoint matching
- Homography estimation
- Warping
- Blending

Baseline

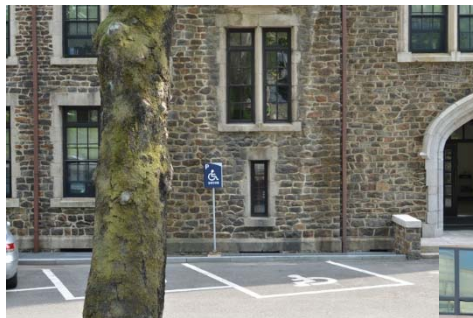- Example images

challenge

- Geometric variations
  - Scene consists of more than one plane
  - Parallax
  - Scene change (motion)
  - Distortion
  - Etc.

challenge

- Example images

challenge

- Example images

Criteria

- Baseline → 70 pts

- Techniques for difficult cases
  - 10 pts for each case
  - 30 pts max

Submit

- Code
- Report
  - Algorithm explanation
  - Input/output images
- Additional input images (if any)

Due

- Due: June 13th 23:59
- Delayed submission will **NOT** be accepted.
  - i.e., delayed =not submitted

CAUTION

- You can use OPENCV **except RANSAC**

- Do NOT copy & paste
  - Warning: 0 credit