CS172 Project2

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November 30, 2017

1 Including File

1.1 Code

Codes are in 'code'.

1. blur.m
2. calculateGradient.m
3. createHistogram.m
4. detectEdgeLikePoint.m
5. extremeDetect.m
6. fitAffineMatrix.m
7. getAccuratePoint.m
8. getSiftFeaturePoints.m
9. histogramInterpolate.m
10. matchPoint.m
11. photoStitch.m
12. ransacFit.m
13. recordFeature.m
14. smoothHistogram.m

1.2 Photo

Photos are in 'photo'.

1. campus1.jpg
2. campus2.jpg
3. campus3.jpg
4. campus4.jpg
5. campus5.jpg

1.3 Result

There are some results in this folder. These include key points about original photos and a reference panorama.

2 Run Codes

What you need to do is to run the script 'photoStitch.m'. It will invoke other functions automatically. The original photos and the result photo will display on the screen. Save them or not, it's your call.

3 Result

Original Photo and Final Panorama: