

Q1 Affine Rectification (30 pts):

25 pts: Result on 5 images

Per image deduction:

- 5 pts: Missing result
- 1 pt: Each missing visualization (input, annotation, rectified image)
- 1 pt: Cosine of angle between parallel lines not close to 1
- 2 pts: Poor qualitative results (doesn't look correct)

Other deduction:

- 2 pts: Didn't report angles between two *additional* pairs of parallel lines

5 pts: Description of Implementation

- 5 pts: No submission
- 0.5 pt: Each mistake (e.g. incorrect use of equation)
- 1 pt: Not enough detail (e.g. no relevant equations)

Q2 Metric Rectification (40 pts):

35 pts: Result on 5 images

Per image deduction:

- 7 pts: Missing result for each image
- 1 pt: Each missing visualization (input, annotation, rectified image)
- 1 pt: Cosine of angle between perpendicular lines not close to 0
- 2 pts: Poor qualitative results (doesn't look correct)

Other deduction:

- 2 pts: Didn't report angles between two *additional* pairs of perpendicular lines

5 pts: Description of Implementation:

- 5 pts: No submission
- 0.5 pt: Each mistake (e.g. incorrect use of equation)
- 1 pt: Not enough detail (e.g. no relevant equations)

Q3 Planar Homography (30 pts):

20 pts: Result on the pair of images from data/q3

- 5 pts: Missing (input, annotation)
- 10 pts: Incorrect warped image

5 pts: Result on additional pair of images

5 pts: Description of Implementation:

- 5 pts: No submission
- 0.5 pt: Each mistake (e.g. incorrect use of equation)
- 1 pt: Not enough detail (e.g. no relevant equations)

Q4 Bonus 1 (10 pts):

8 pts: Result on 5 images

Per image deduction:

- 1.6 pts: Missing result

-1 pt: Poor qualitative results.

-0.3 pt: Cosine of angle between perpendicular lines not close to 0

-0.3 pt: Reported cosine values between fewer than 3 pairs of perpendicular lines.

-0.6 pt: Didn't report cosine of angles between perpendicular lines

2 pts: Description of implementation

-2 pts: No submission

-0.5 pt: Each mistake (e.g. incorrect use of equation)

-0.5 pt: Not enough detail (e.g. no relevant equations)

Q5 Bonus 2 (10 pts):

8 pts: Overlaying at least 3 images

-8 pts: No submission or overlaid only 1 image

-2 pts: Overlaid 2 images

2 pts: Description of implementation

-2 pts: No submission

-0.5 pt: Each mistake (e.g. incorrect use of equation)

-0.5 pt: Not enough detail (e.g. no relevant equations)