**Task 3.1P Answer sheet**

Fill in the “**Results**” column with relevant results

**Notes**:

* Examples are given for illustration purposes only and need to be replaced by your own results.
* Missing any required results will result in a re-submission.

**1. Harris corner detection**

|  |  |  |
| --- | --- | --- |
|  | **Number of corners detected** | **Corner detection result** |
| **ratio = 0.1%** | Example: 12345 | Example |
| **ratio = 0.5%** |  |  |
| **ratio = 1%** |  |  |

**Discussion of the above results**

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**2. SIFT**

|  |  |
| --- | --- |
|  | **Results** |
| **Keypoints (with radius and orientations) on empire\_45.jpg** | Example  A tall building with many bubbles  Description automatically generated |
| **Keypoints (with radius and orientations) on empire\_zoomedout.jpg** |  |
| **Keypoints (with radius and orientations) on fisherman.jpg** |  |

**3. Image matching using SIFT**

**Visualisation**

|  |  |
| --- | --- |
|  | **Result** |
| **empire.jpg vs empire\_zoomedout.jpg with nBestMatches=10** | Example  A black and white photo of a tall building  Description automatically generated |
| **empire.jpg vs fisherman.jpg with nBestMatches=10** |  |

**Dissimilarity scores**

|  |  |  |  |
| --- | --- | --- | --- |
|  | **nBestMatches=10** | **nBestMatches=50** | **nBestMatches=100** |
| **empire.jpg vs empire\_45.jpg** |  |  |  |
| **empire.jpg vs empire\_zoomedout.jpg** |  |  |  |
| **empire.jpg vs fisherman.jpg** |  |  |  |

**Discussion of the dissimilarity scores of the image pairs (empire.jpg vs empire\_45.jpg), (empire.jpg vs empire\_zoomedout.jpg), (empire.jpg vs fisherman.jpg)**

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