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 Image

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Quiz

Question 1

1 point (graded)

Which feature detection algorithm is the fastest?

☐ SIFT

☐ SURF

☒ ORB ✓

☐ All have similar speed

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You have used 2 of 2 attempts

✓ Correct (1/1 point)

Question 2

1/1 point (graded)

Which of the following cv2 function can be used to visualize the keypoints detected in an image?

☐ cv2.visualizeKeypoints()

☒ cv2.drawKeypoints() ✓

☐ cv2.Keypoints.draw()

☐ cv2.drawMatches()



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You have used 1 of 2 attempts

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✓ Correct (1/1 point)

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Question 3

1/1 point (graded)

In **ORB.detectAndCompute()**, what is the role of the **mask** parameter?

☒ It specifies a region of interest where keypoints should be detected ✓

☐ It specifies the maximum number of keypoints to be detected

☐ It filters out keypoints that are not within the specified mask

☐ It has no role in **ORB.detectAndCompute()**

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✓ Correct (1/1 point)

Question 4

1/1 point (graded)

The role of **DescriptorMatcher** in feature matching is:

☐ It creates feature descriptors for the input image



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☒ It matches the feature descriptors of two images ✓☐ It removes the redundant features from an image☐ It creates a binary mask for the matched features

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You have used 1 of 2 attempts

✓ Correct (1/1 point)

Question 5

1 point (graded)

Which method will be called for descriptor matching with the following code **matcher = cv2.DescriptorMatcher_create(2)** ?

☒ Brute-Force ✓☐ Brute-Force-L1☐ Brute-Force-Hamming☐ FlannBased

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✓ Correct (1/1 point)

Question 6

1/1 point (graded)

The role of **cv2.getPerspectiveTransform()** in perspective transformation is:



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- ☒ It computes the homography matrix from the corresponding points ✓
- ☐ It applies the homography matrix to the input image
- ☐ It specifies the region of interest in the input image
- ☐ It computes the inverse of the homography matrix

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You have used 1 of 2 attempts

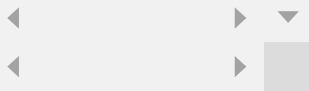
✓ Correct (1/1 point)

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