

# Open3d Post-task Questionnaire

\* Indicates required question

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1. How experienced are you with this task (rendering 3D objects) in general, irrespective of the library used for this task \*

Mark only one oval.

Very inexperienced

1 ☐

2 ☐

3 ☐

4 ☐

5 ☐

Very experienced

2. How confident are you with your understanding of the starter code? \*

Mark only one oval.

Not at all confident

1 ☐

2 ☐

3 ☐

4 ☐

5 ☐

Very confident

Open3d Q1

3. How does the rendered image change when you set **mesh\_show\_wireframe** to be **False** in the following code? Please explain around the rendered image (e.g., the background/bunny/chair will...). (It is okay to answer "I don't know.") \*

```
o3d.visualization.draw_plotly([pcd_without_chair, bunny_mesh],
                               window_name="Open3D",
                               width=1200,
                               height=800,
                               mesh_show_wireframe=True,
                               zoom=0.3412,
                               front=[0.5, -0.2, -0.8],
                               up=[-0.1, -1.0, 0.2])
```

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4. How confident are you in your answer? \*

*Mark only one oval.*

- ☐ I don't know the answer.
- ☐ Not at all confident.
- ☐ Somewhat confident, but uncertain.
- ☐ I am confident that my answer is correct.

5. What was the main source of your knowledge for answering this question? \*

*Mark only one oval.*

- ☐ I don't know the answer.
- ☐ Information learned during the task.
- ☐ Prior knowledge before the task.
- ☐ Combination of information learned during the task and prior knowledge.

Open3d Q2

6. What transformation does the 4x4 matrix do in the following code (i.e., what will happen to the bunny)? (It is okay to answer "I don't know.") \*

```
bunny_mesh.transform([[-1, 0, 0, 0], [0, 1, 0, 0],  
[0, 0, 1, 0], [0, 0, 0, 1]])
```

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7. How confident are you in your answer? \*

*Mark only one oval.*

- ☐ I don't know the answer.
- ☐ Not at all confident.
- ☐ Somewhat confident, but uncertain.
- ☐ I am confident that my answer is correct.

8. What was the main source of your knowledge for answering this question? \*

*Mark only one oval.*

- ☐ I don't know the answer.
- ☐ Information learned during the task.
- ☐ Prior knowledge before the task.
- ☐ Combination of information learned during the task and prior knowledge.

Open3d Q3

9. Do you need the following code for the goal output? Why or why not? (It is okay to answer "I don't know.") \*

```
bunny_mesh.compute_vertex_normals()
```

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10. How confident are you in your answer? \*

*Mark only one oval.*

- ☐ I don't know the answer.
- ☐ Not at all confident.
- ☐ Somewhat confident, but uncertain.
- ☐ I am confident that my answer is correct.

11. What was the main source of your knowledge for answering this question? \*

*Mark only one oval.*

- ☐ I don't know the answer.
- ☐ Information learned during the task.
- ☐ Prior knowledge before the task.
- ☐ Combination of information learned during the task and prior knowledge.

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