Introduction

7 questions

1 point

1.

In the equation $\frac{1}{f} = \frac{1}{a} + \frac{1}{b}$, what does the f stands for:

- Distance between lens and object
- Force
- Distance between image plane and lens
- Focal Length

1 point

2.

If an object is originally in focus and then you start moving the image plane, what do you expect to happen:

- $f = a + b$
- Image starts blurring
- Image gets sharper
- $\frac{1}{f} \neq \frac{1}{a} + \frac{1}{b}$

1 point

3.

The size of the projection of an object increases as the object distance from the lens increases.

- True
- False

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1 point

4.

Parallel lines in the world remain always parallel after projection.

- True
- False

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1 point

5.

Parallel lines in the world remain parallel in the image plane when

- the lines are perpendicular to the image plane
- the lines are parallel to the image plane

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1 point

6.

A vanishing point in an image is the intersection of projections of parallel lines in the world. There is at most one vanishing point in an image

- True
- False

1 point

7.

The two parameters that we can directly control using the bi-perspectograph construction are:

- [ ] Focal Length
- [ ] Angle between image plane and world plane
- [ ] Distance from the objects
- [ ] Height of the camera

5 questions unanswered

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