

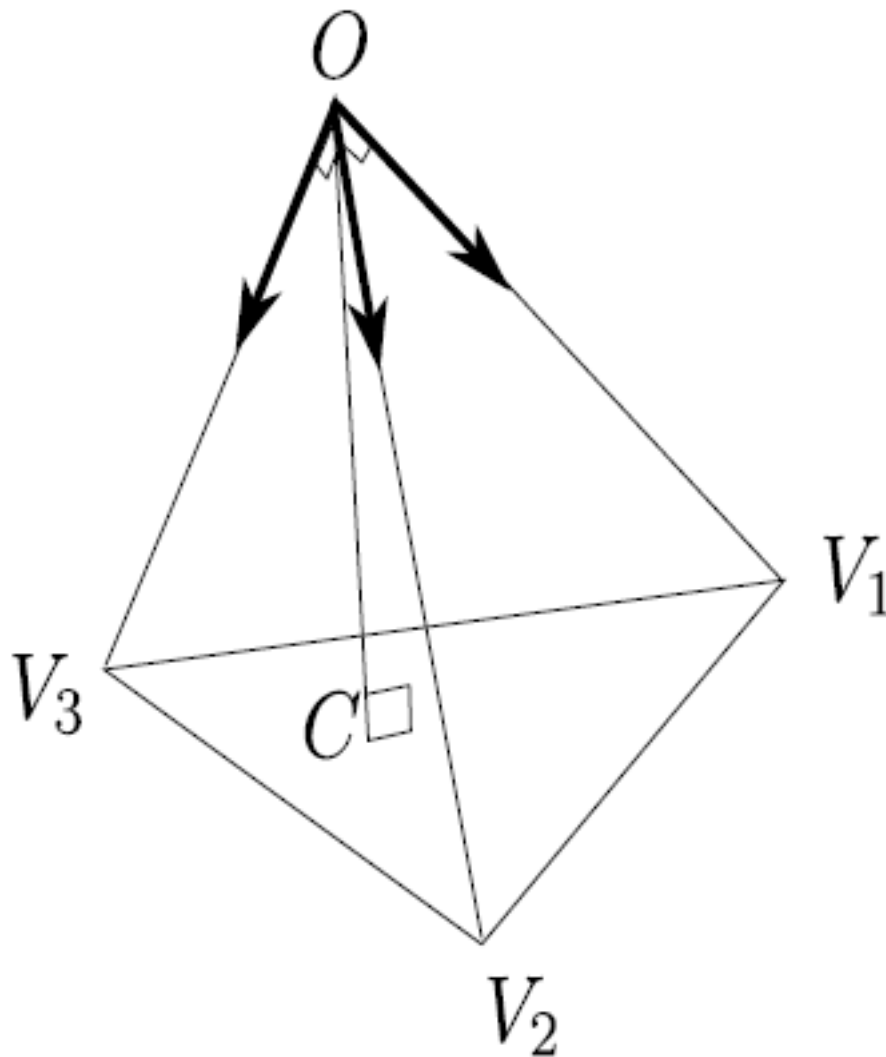
How to Compute Intrinsics from Vanishing Points

2 questions

1
point

1.

In the image below, we can see the projections of three orthogonal vanishing points V_1 , V_2 , V_3 and the image center C . Which of the following statements is always true?



- ☐ The image center is the centroid of the triangle formed by the projections of three orthogonal vanishing points.

- ☐ The image center is the circumcenter of the triangle formed by the projections of three orthogonal vanishing points.
 - ☐ The image center is the incenter of the triangle formed by the projections of three orthogonal vanishing points.
 - ☐ The image center is the orthocenter of the triangle formed by the projections of three orthogonal vanishing points.
-

1
point

2.

Assume that the image center has been computed using the result of the previous question. Then, under which conditions can we compute the focal length from the image projections of three orthogonal vanishing points?

- ☐ At least one of the vanishing points is not at infinity.
 - ☐ All of the vanishing points are at infinity.
 - ☐ At least two of the vanishing points are not at infinity.
-

2 questions unanswered

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