In the third model, we need two normal cameras.

1. Solve ρ

Set two cameras around the solar farms, set the camera shot perpendicular to the ground. Record the camera position vectors as and .

Since the cameras are perpendicular to the ground, the center of the photos they took should be the equivalent C1’ and C2’. Mix the two photos into one picture, is the distance between the centers in pixel. We can calculate the ratio ρ of the true distance in the sky to the pixels in the photo is that ρ=, the unit is meter per pixel.

％Camera direction：只有与Z轴夹角？没有与x轴夹角or夹角为图片中SC1与C1C2夹角？

照片中太阳位置建立坐标系，按比例放置solar farm

1. Use motion vectors to detect