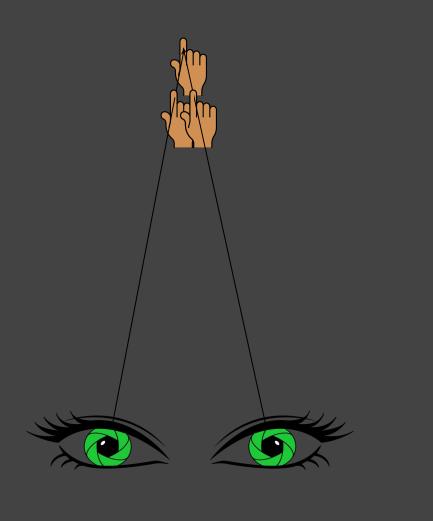
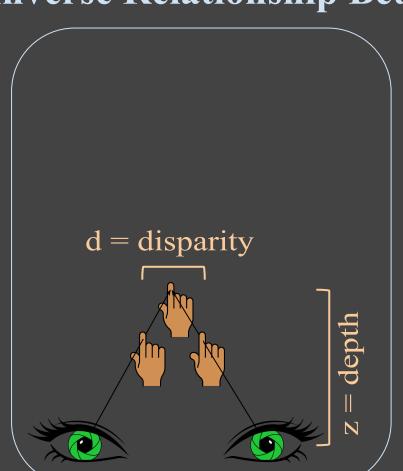
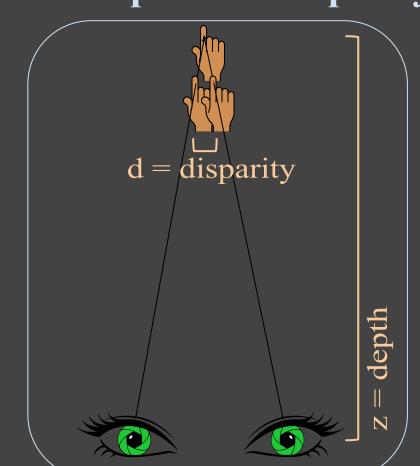
Understanding Depth And Disparity

Dalya Gartzman bit.ly/DepthAndDisparity

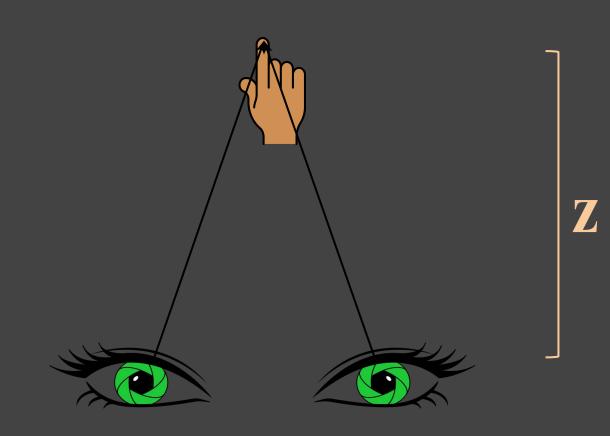




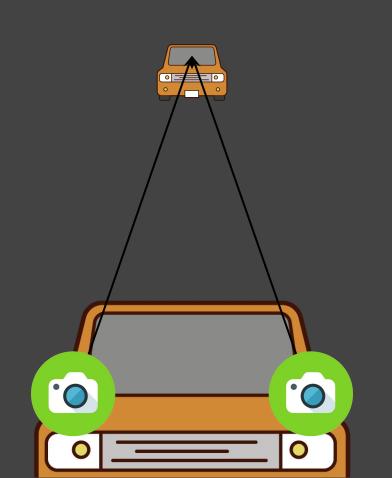


ilva Gartzma

Goal: Calculating Depth in Stereo Vision



Goal: Calculating Depth in Stereo Vision



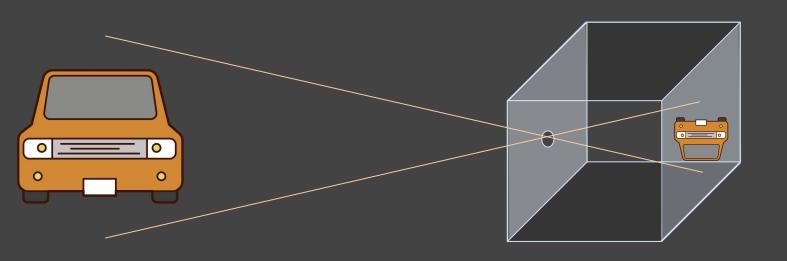
Understanding Depth and Disparity

Motivation

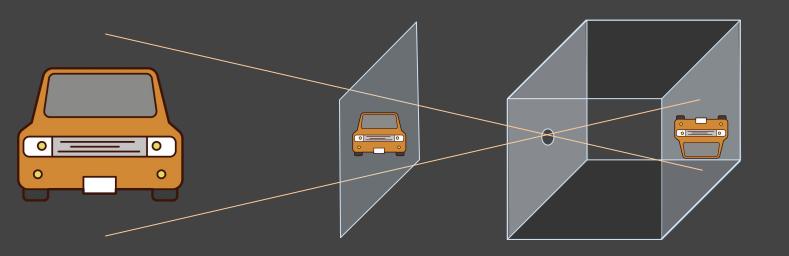
Laying Foundations

□ Geometry!

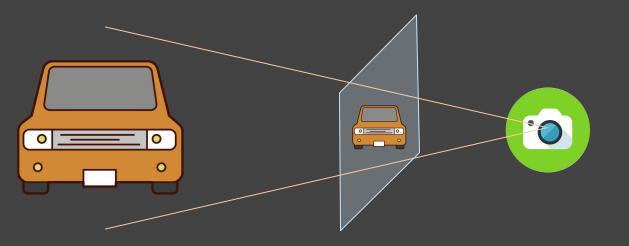
A Model of the Camera

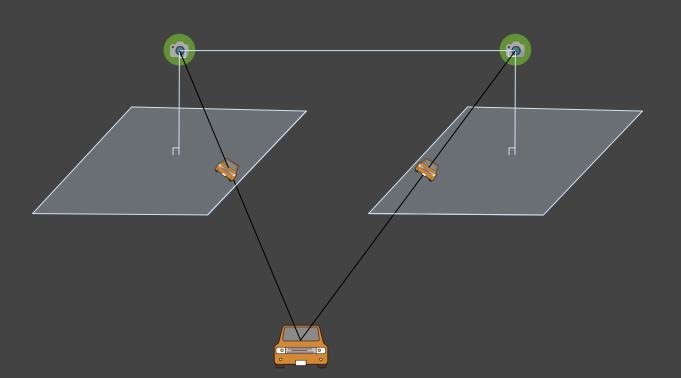


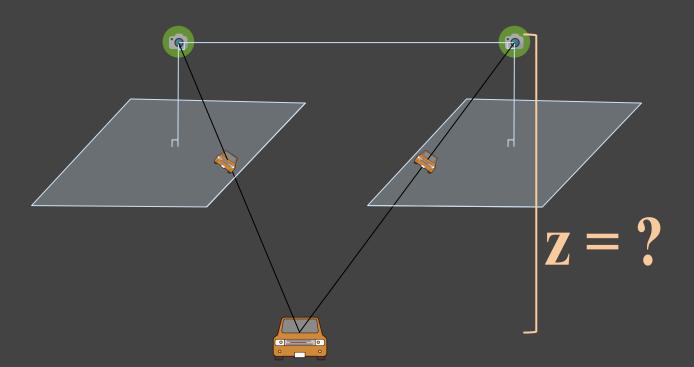
A Model of the Camera

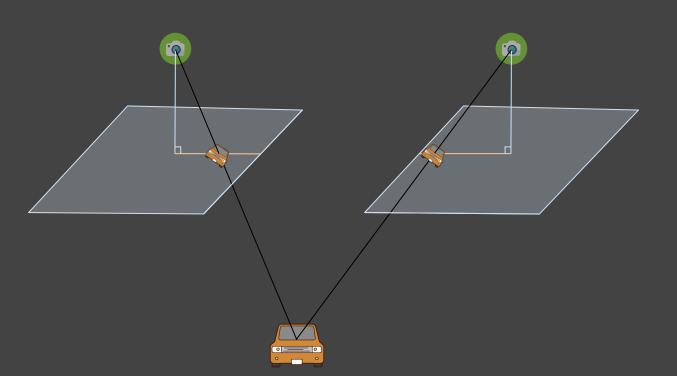


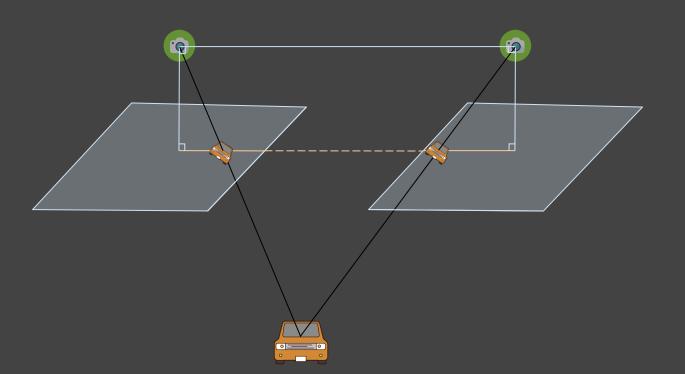
A Model of the Camera

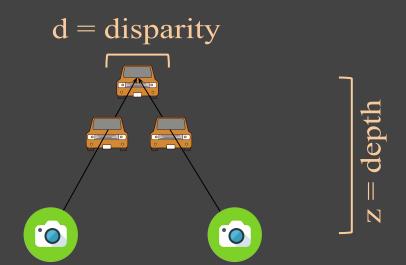


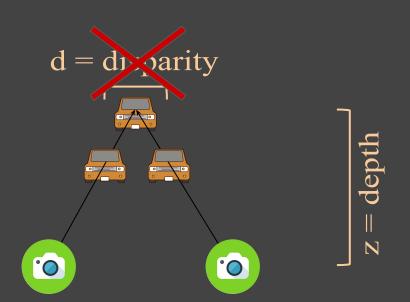


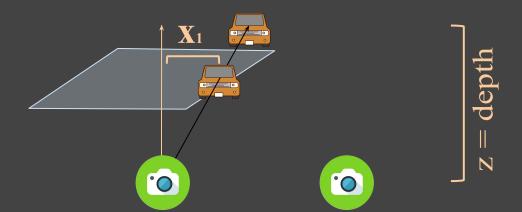


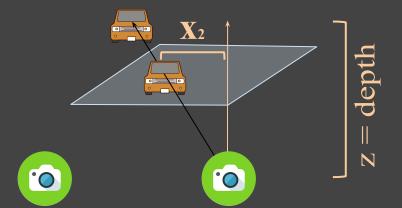




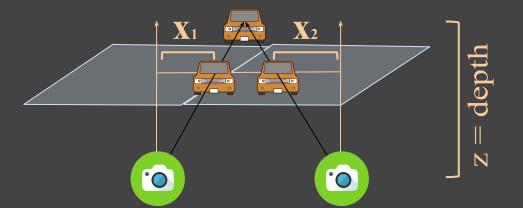


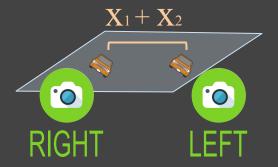






Define: $x_1 + \overline{x_2} = disparity$

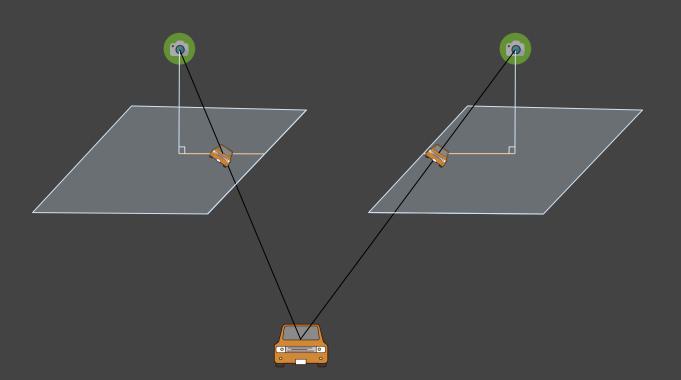


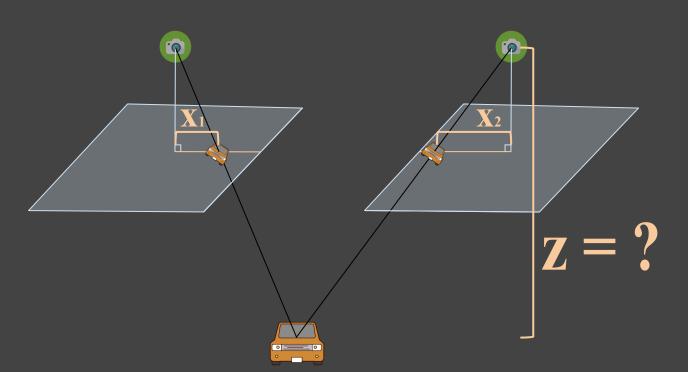


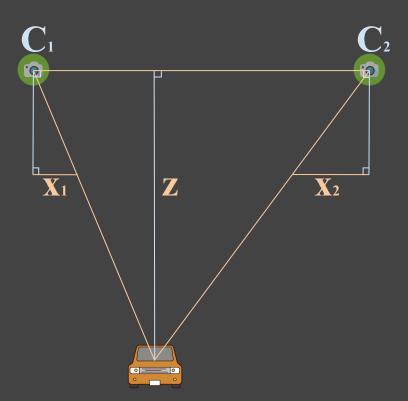
Understanding Depth and Disparity

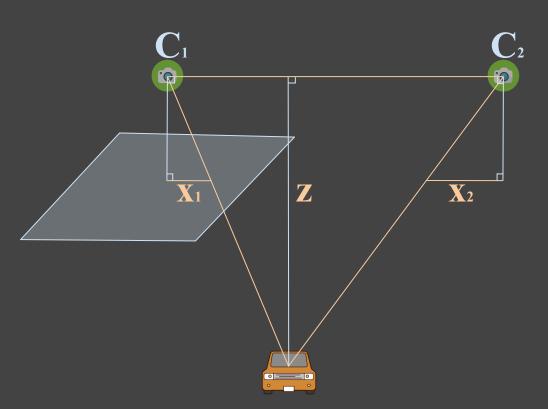
- Motivation
- Laying Foundations

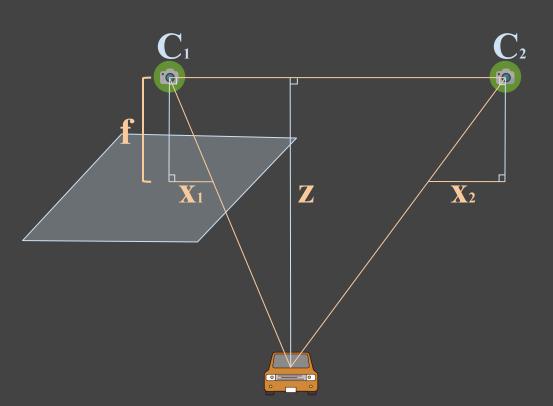
☐ Geometry!

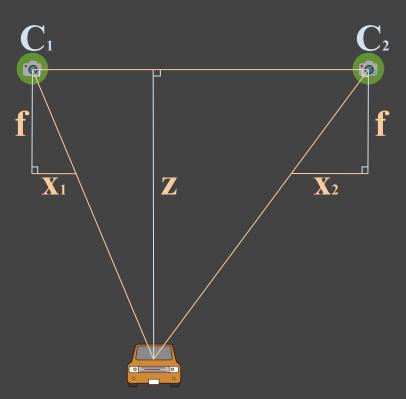


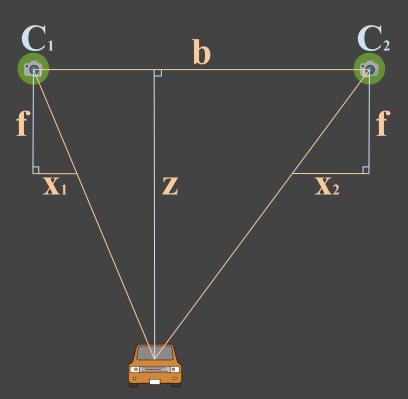


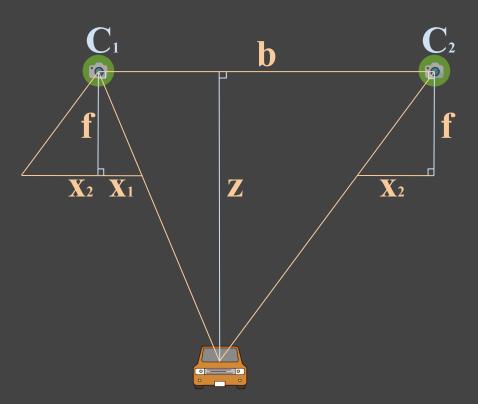


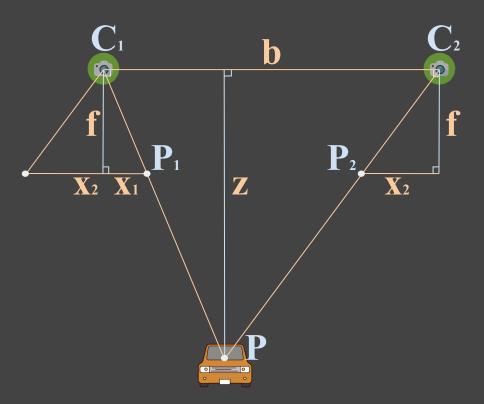


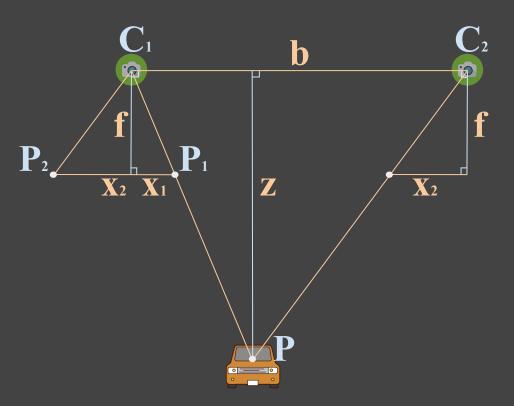


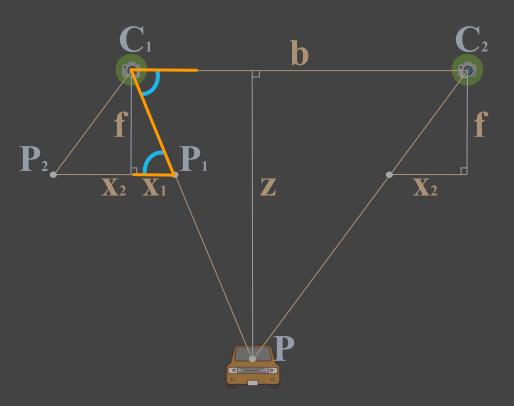


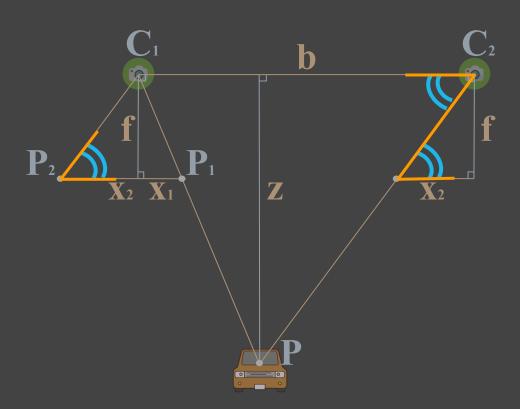


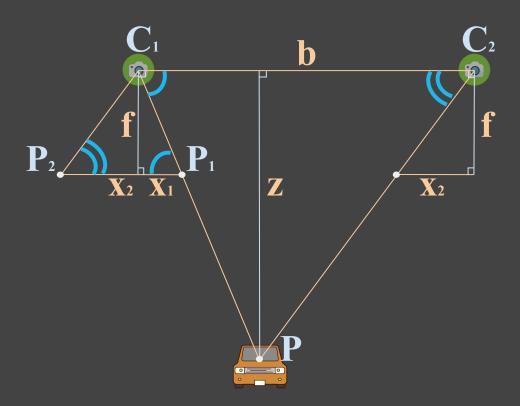


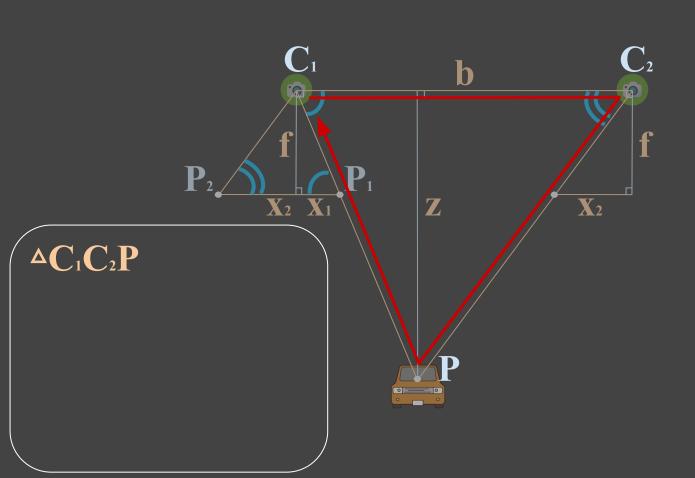


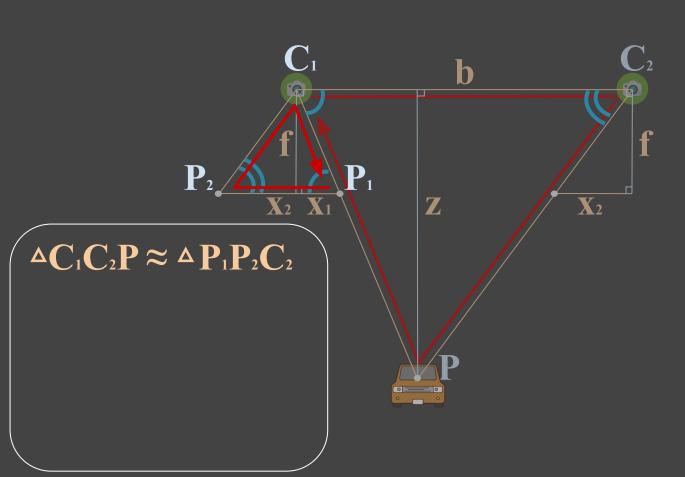


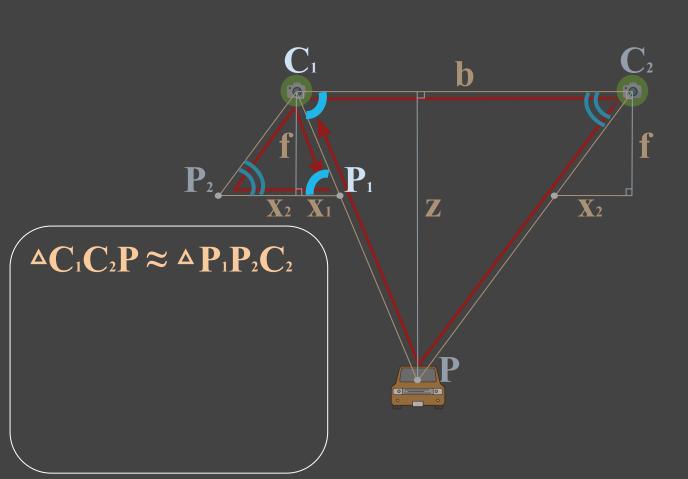


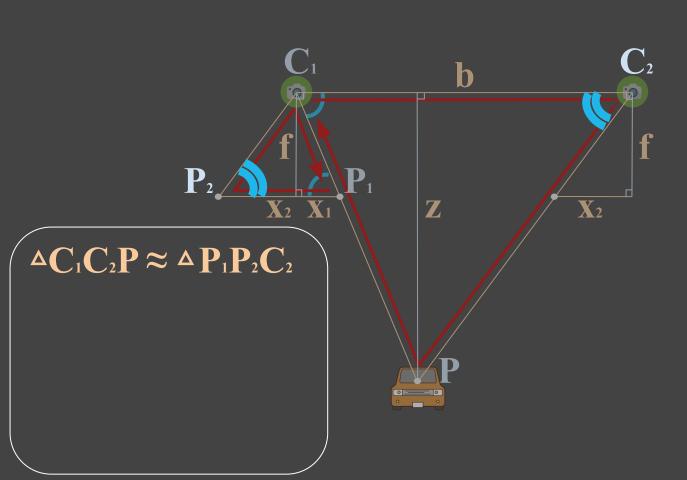


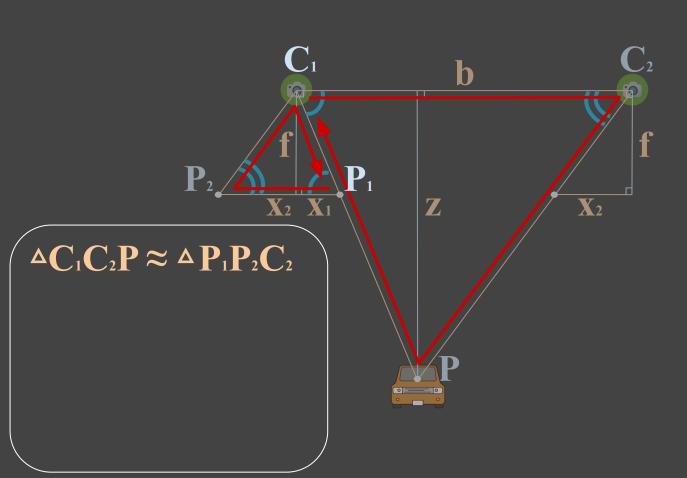


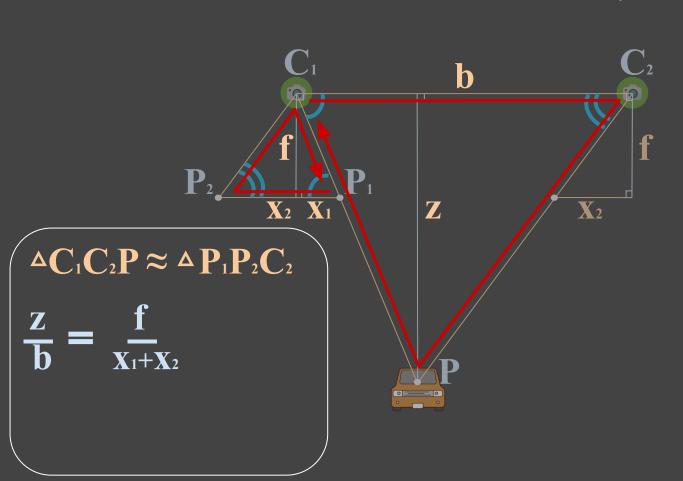


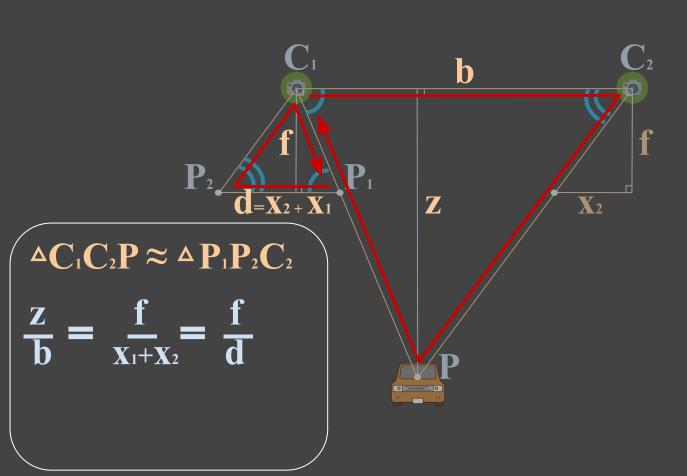


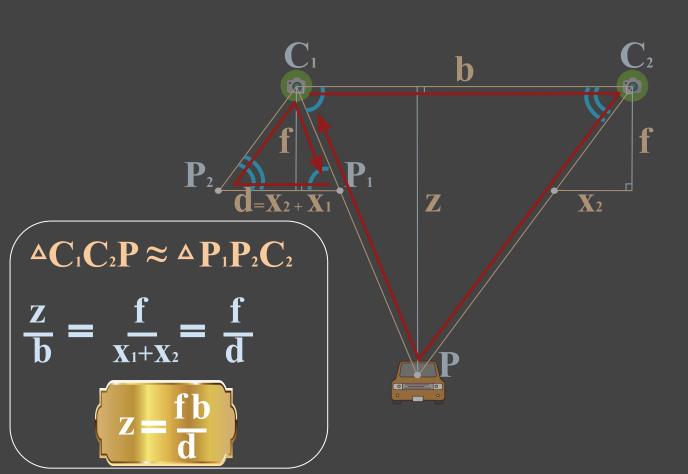


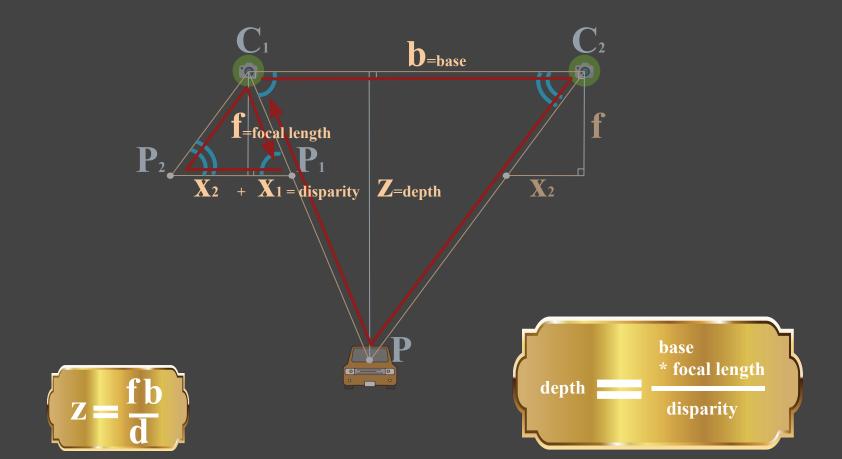




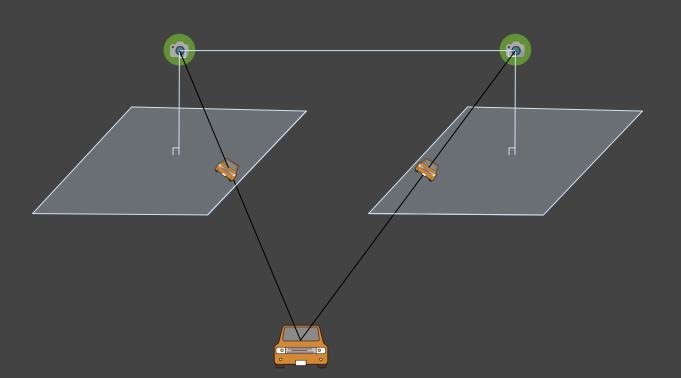


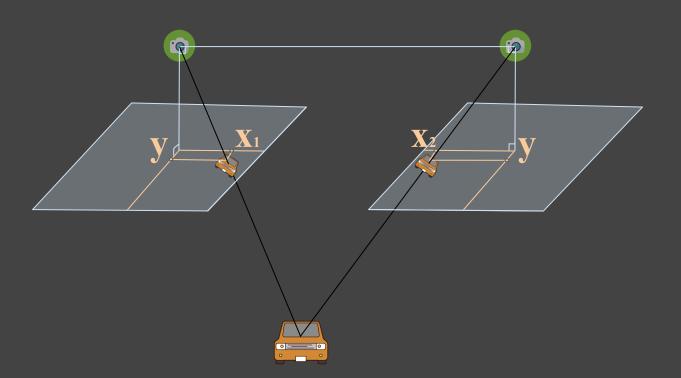


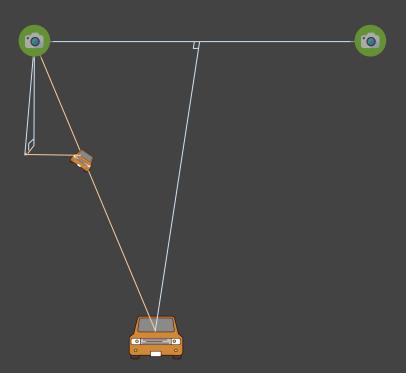


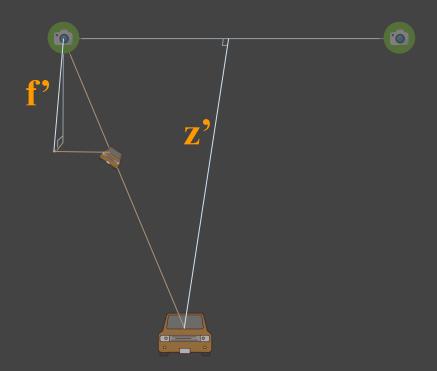


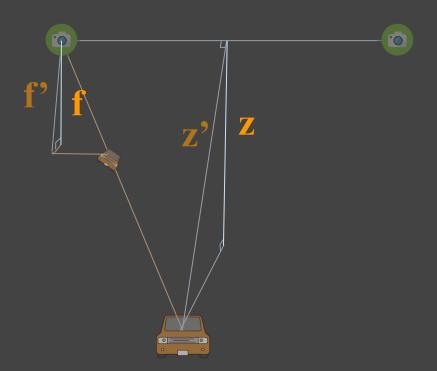
Stereo Vision

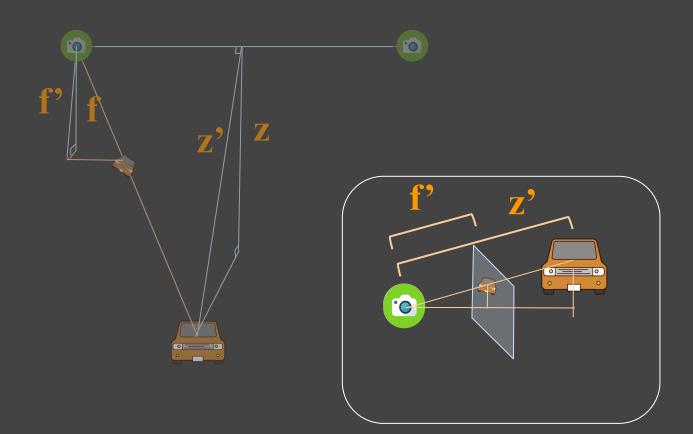


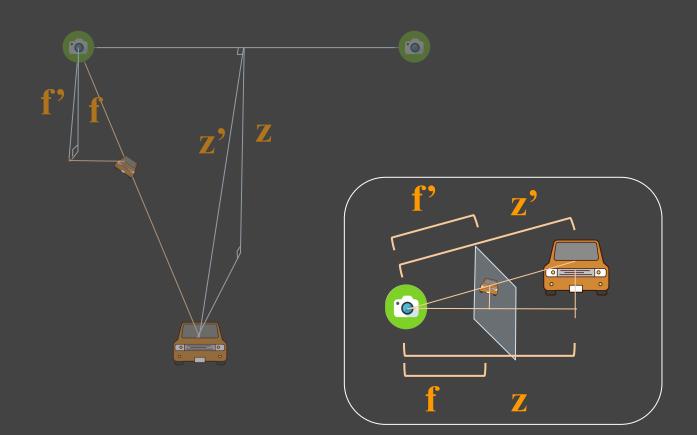


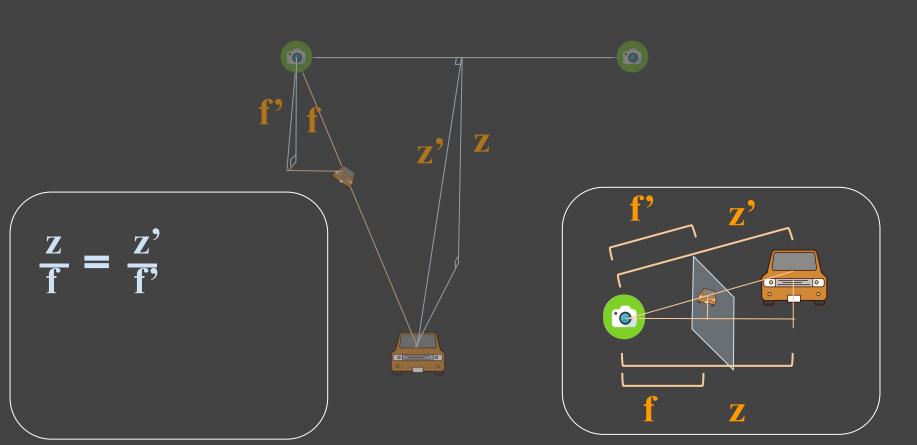


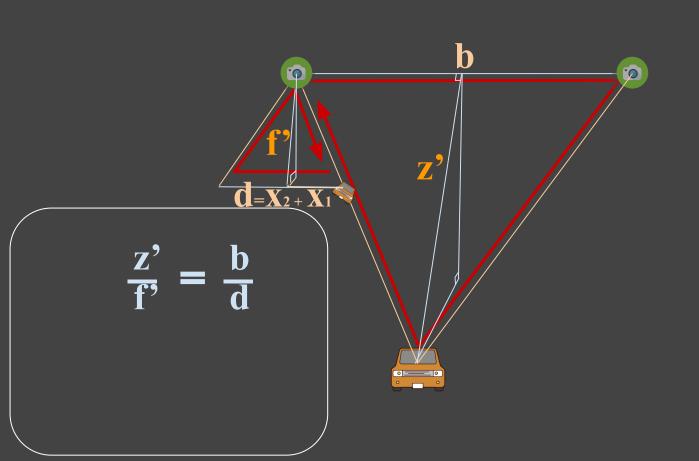


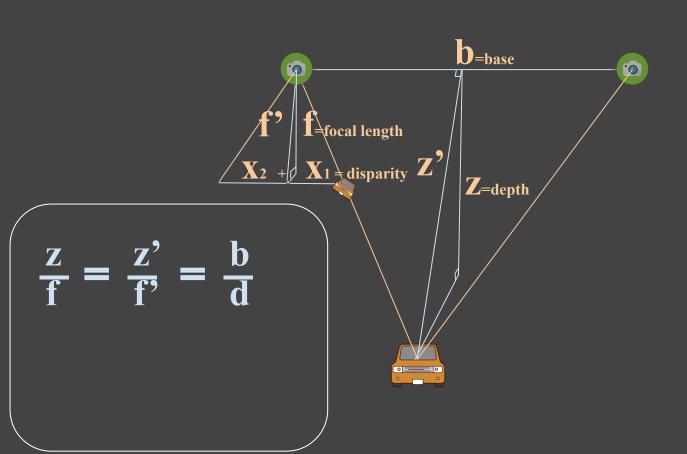


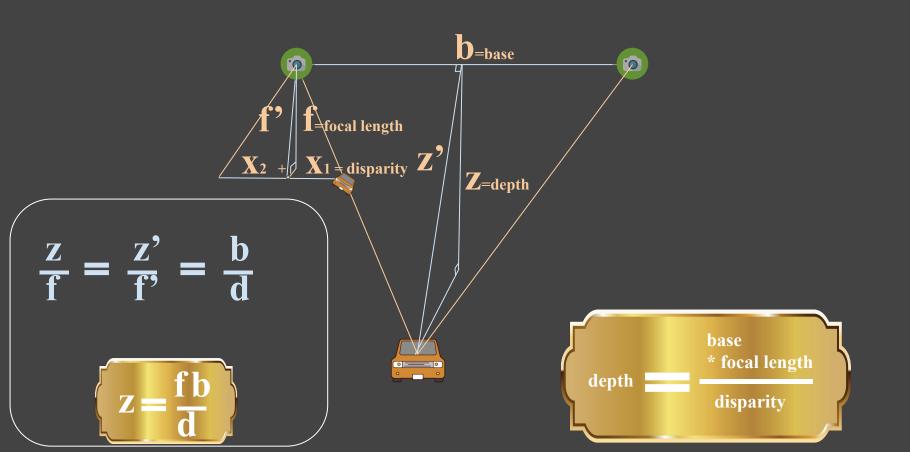










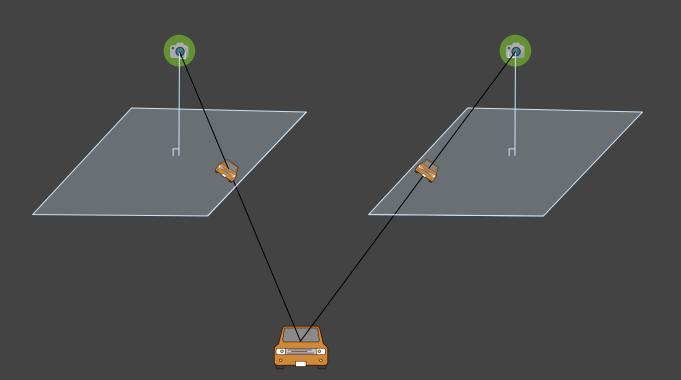


Understanding Depth and Disparity

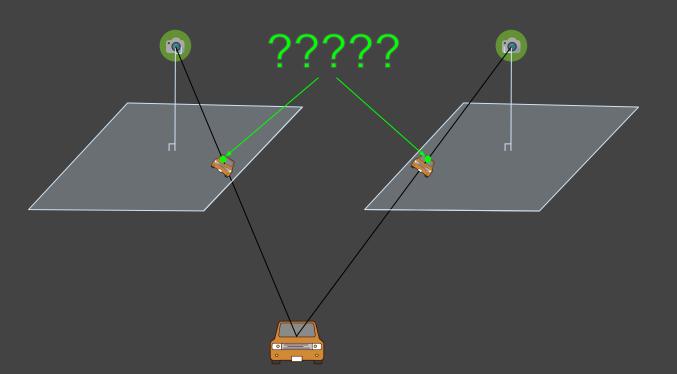


- Laying Foundations
- Geometry!

Stereo Vision



Stereo Vision



Thank you:)
Questions?

Dalya Gartzman bit.ly/DepthAndDisparity