

PH-291 Physics Lab

Professor Corn-Agostini

Fall 2022

Lab # 3: Pinhole Photography

Your Name: Perla Berkovitz

Your Lab Section: E

Your Lab Instructor: Professor Corn-Agostini

Your Lab Partner's Name: Sharon Sitt

Read and sign Academic Integrity Statement:

I hereby attest that I have not given or received any unauthorized assistance on this assignment.

Sign here

Grading Rubric

SECTION	POINTS	GRADE
Self Portrait	9	
Demonstration of Physical Principle	4	
Alternate Developer	2	
<i>Total</i>	15	

Selfie Improvement



Figure 1: First Selfie Taken

Figure 2: Improved Selfie

When the first selfie was taken, I had positioned myself with the light behind me. This caused the camera to not have enough light on my face to capture a detailed image. In the improved selfie, there was better lighting, which allowed for a better image to be captured.

Physical Phenomenon



Figure 3: Physical Phenomenon

For my physical phenomenon, I chose motion and relative velocity. In the image, the motion streaks on the right hand side are a result of the cars traveling past at some velocity, while the camera remained stationary. Like the camera, other cars in the image and the surroundings remain stationary which have velocity = 0.

Alternative Developer Recipe



Figure 4: Alternate Developer

200 mL Water
1 g Vitamin C
1.2 g Instant Coffee
10 g Washing Soda