CSE 168 FINAL

Clifford Fan
Lens Effect

- Aperture
- Focal Distance
Aperture

- Random circular distance from original view position
- The smaller the aperture, the more the random rays are similar to the original
Focal Distance

- Point that all rays point to
- This does not affect original ray
Differences in Focal Distance

Distant

Medium

Close
Smaller Aperture
Challenges

- Starting off: Didn’t really understand what to do; what is aperture, what is focal distance
- How to implement aperture
- How to scale focal distance
- At first, I had an aperture offset but I just added that to original ray position so I had a random ray shooting out and my image was non-existent
- After figuring out I needed multiple rays, I knew that the random rays needed to point to the focal point, so the rest was just adjusting aperture offset and focal distance
Thank You