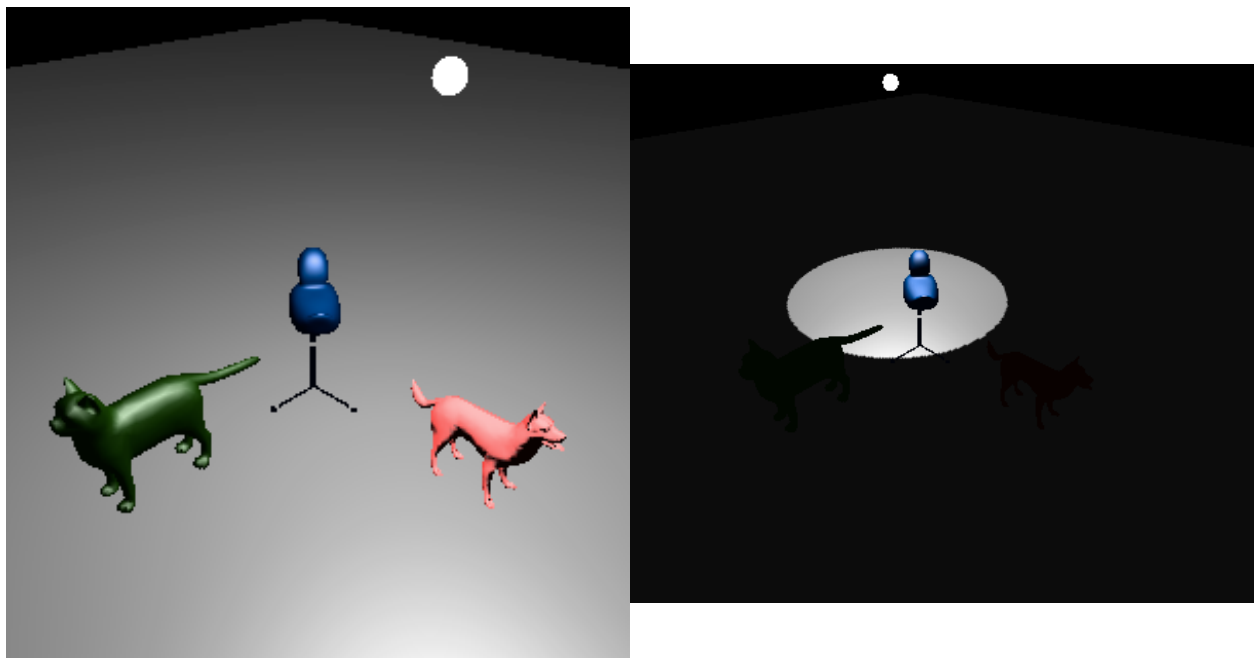


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### Assignment 3

To get my display, I loaded the '.obj' files (a dog, cat, and duck) into a display list in the initList function. Then I called them in the display function, and rotated, and translated them to get them to display correctly. I also made a display list for the OsuSphere and called that in display after translating it higher in the Y-axis. I also made it travel a circular path. Then I messed around with the lighting until I was able to get it to travel in the same path as the sphere (so that it looks like the light is coming from the sphere). I had to change the materials of the objects so that they had different colors and different levels of diffusion/shininess. The last thing I did was added the keyboard buttons to enable toggling between different colors and light modes.



Link to Video: [https://media.oregonstate.edu/media/t/1\\_ewj2yoiq](https://media.oregonstate.edu/media/t/1_ewj2yoiq)