Checkpoint 1:

Pxy = (1.3762255133518482, 0.8023604650820357, 0.6798683846692544)

Checkpoint 2:

Pyx = (1.6963571286825938, -0.3255815357163887, -0.1279420007984245)

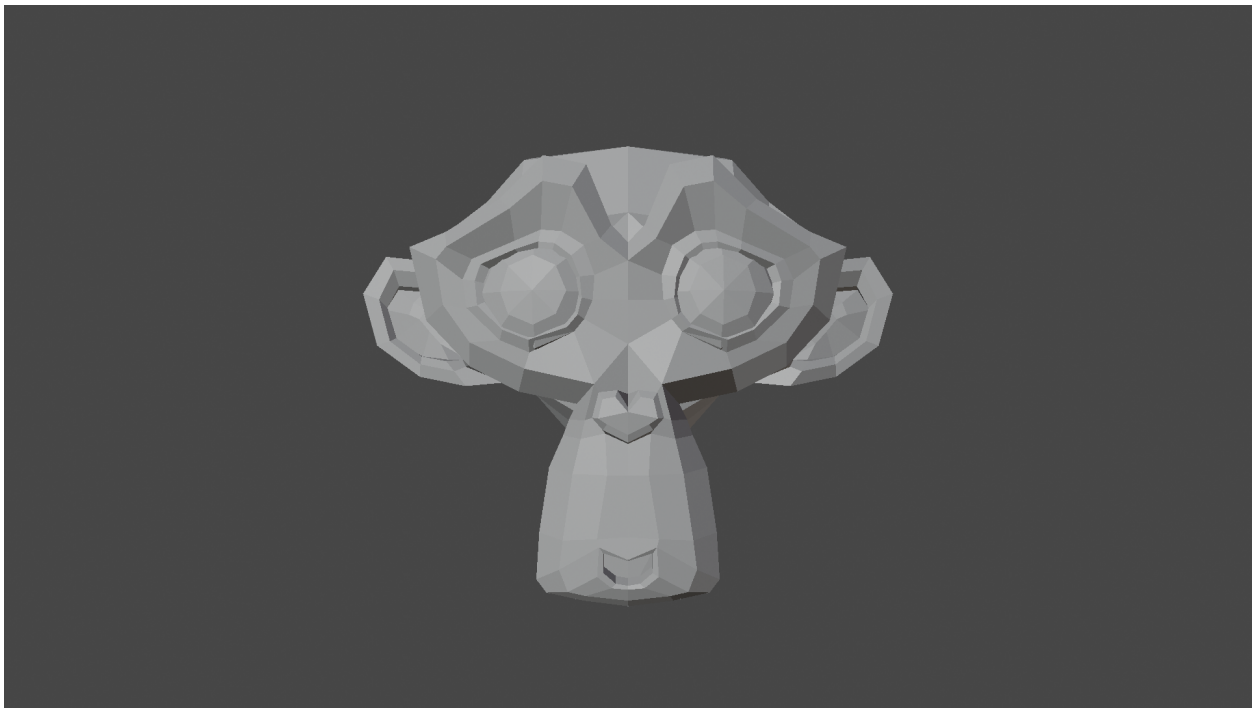
Checkpoint 3:

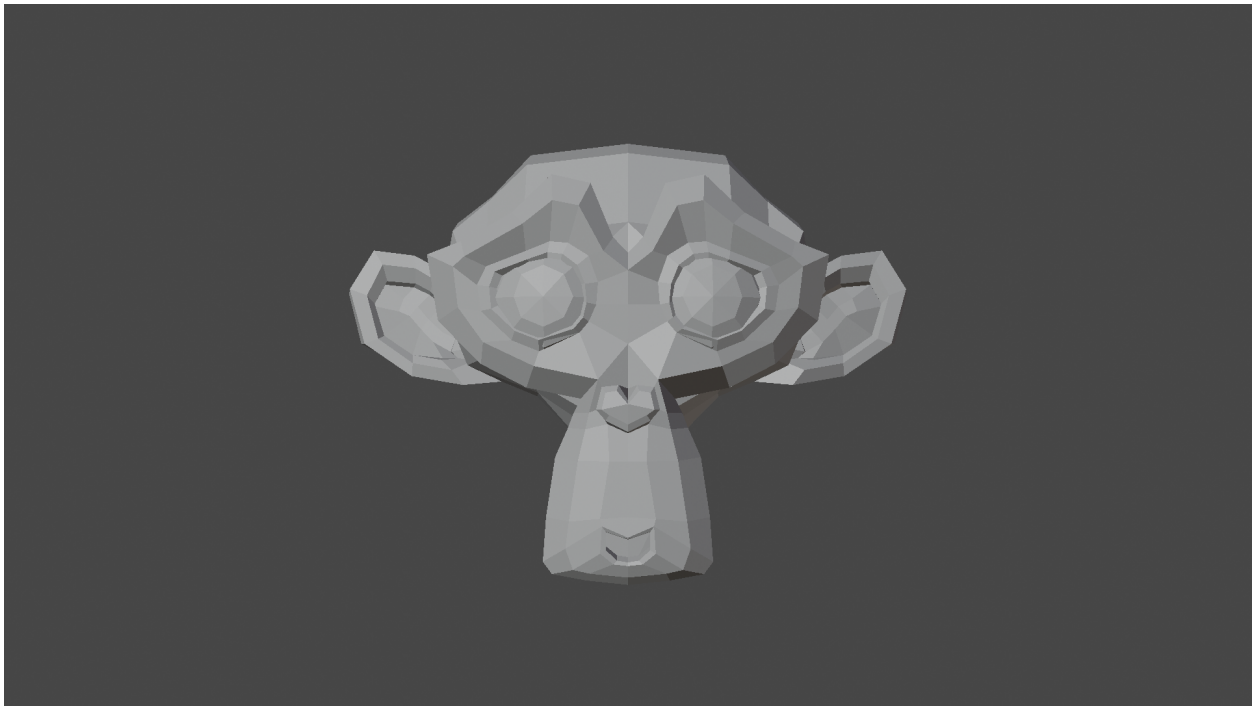
T1 = (3, 0, 3)

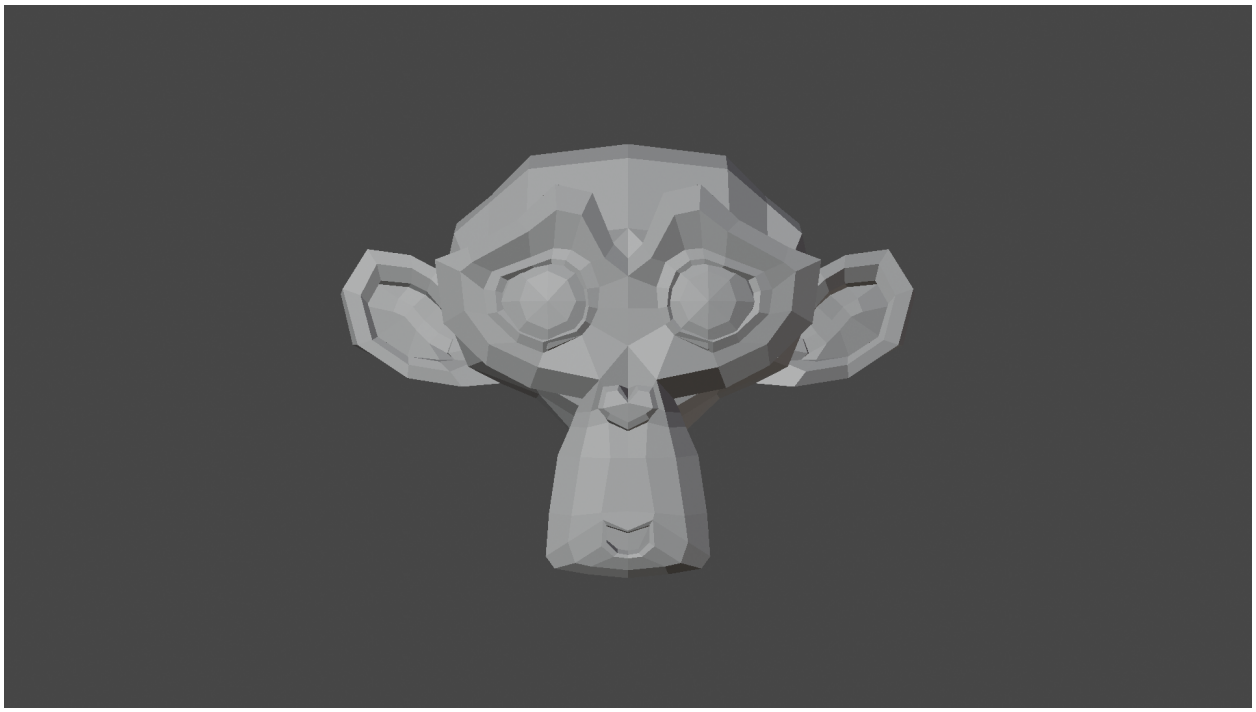
Checkpoint 4:

T2 = (3, -0.41421, 2)

Checkpoint 5:







Checkpoint 6:

The three images are identical, because the focal length is changed proportionally to the change in distance from the camera to the object. In other words, when the focal length is doubled, so is the distance from the object.

Checkpoint 7: