DSP Homework 07

1. Write a summary of this week's video(s) and your further thoughts on the content.

2. Analyze the pros and cons of the Shannon/Nyquist sampling method.

3. Now that we know how a mouse detects movement from the video shown in class, use the same principle to do the following.

   (a) Make your phone camera shoot a video clip while it moves freely in all directions (left/right, up/down, near/far) with minimal rotation. Then use the video clip alone to do the next part.

   (b) Draw the trajectory of your phone camera movement in the three dimensional (3D) space up to scaling and analyze the error.