

Sin Sweep Recording

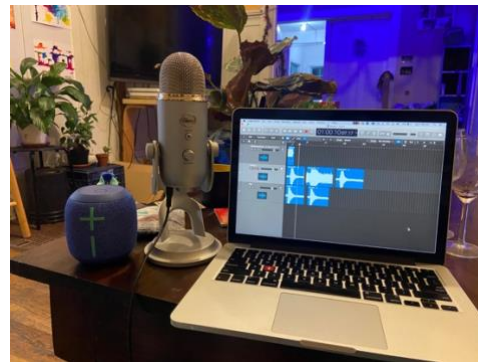
For this assignment, I chose to take recordings in an interesting acoustical environment near my house. It's a parking structure called the "Roble Field Parking Structure" at Stanford University. The parking structure goes 5 floors underground and is often empty or close to empty. The large and empty space lends itself to many sound reflections and a long reverb time.

Photo of Roble Parking Structure:



Photo of Equipment used:

(Ultimate Ears Bluetooth speaker, Blue Yeti USB Microphone, Logic Pro on a Macbook)



- 1) I set up my Blue Yeti USB Microphone on the ground in 'omni' mode and turned down the gain to the lowest setting.
- 2) I placed the Bluetooth speaker 30 feet away on the ground.
- 3) I hit record in Logic Pro, waited a second, played the sweep, and waited around 10 seconds after the sin sweep ended before stopping the recording.
- 4) I repeated this process 3 times, adjusting the gain each time in an attempt to get the loudest signal possible while avoiding clipping.
- 5) I also decided to pop a balloon! I had a friend stand 30 feet away and pop the balloon with a pocket knife. Again I hit record, motioned to my friend to pop the balloon, and waited around 10 seconds for the reverb to fade before stopping recording.
- 6) I recorded two balloon pops.