

Meeting Minutes
21 Oct 2017

Current Work:

- Jacob and Danny Present for an early meeting time of 11:00 AM.
- They began to discuss what was conducted for the individual analysis and presented them to each other.
- Jacob's analysis was conducted on a simple vibrations test for an impulse force on the arm where the antenna is mounted.
- Without the effect of dampening, the vibration continues for a long time.
- In the MWI project, this is prevalent saying that stiffness may be a factor.
- Dampening is going to be the most important part of this project for removing vibrations.
- Danny's analysis was conducted on an FEA of the arm and connection assembly to prove the assumption that the pin connector is the weakest link of the assembly.
- Jacob explained the thought process for all of the parts to be used for Arduino.
- Jacob and Danny Discussed different ways for Arduino to be used for angles of the arms and stepper motors.
- 3 designs are to be made within the next week and a half to present to Jeff at our next meeting.
- Code needs to be worked on for the accelerometer/stepper.
- Multiple group meetings will be conducted this week to work on preliminary designs.
- Jacob leaves at 11:30 AM to work on Heat Transfer
- Mitchell and Zach eventually end up calling out sick. Everyone completed their individual analyses and will use them towards the designs for the upcoming week.

Future Work:

- Apply what we have learned to