

Senior Design Weekly Meeting #18

Meeting Minutes

01/12/2021 13:30 – 14:20

CM/TM: Dr. Honggang Zhang

Students: Zhuoming Huang, Alinson Sanquintin, Lucas Lomba

- **Agenda**

1. Radar heatmap coordinate conversion
2. Spring schedule

- **Notes**

1. Converting radar heatmap from spherical to cartesian coordinates
 - a. $256 \times 64 \times 64$ (rho x phi x theta) \rightarrow (y, x, z)
 - b. rho = range, phi = azimuth, theta = elevation
 - c. to retain the same dimension, take the area in cartesian that covers the cubes in spherical coordinates only, fill the others with 0's when plotting.
2. Spring schedule
 - a. Monday 3:30pm starting from January 12, 2021
3. Additional meeting this week on Thursday, January 12, 2021, at 1:30pm
4. Meeting next week on Tuesday, January 12, 2021