Assuming Ideal Cavity
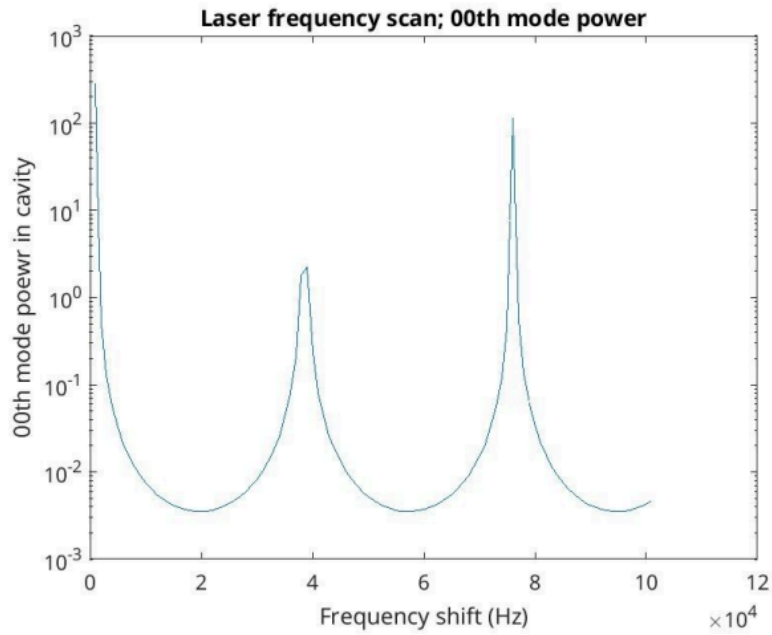# Cavity scan: pure 00 order laser input:
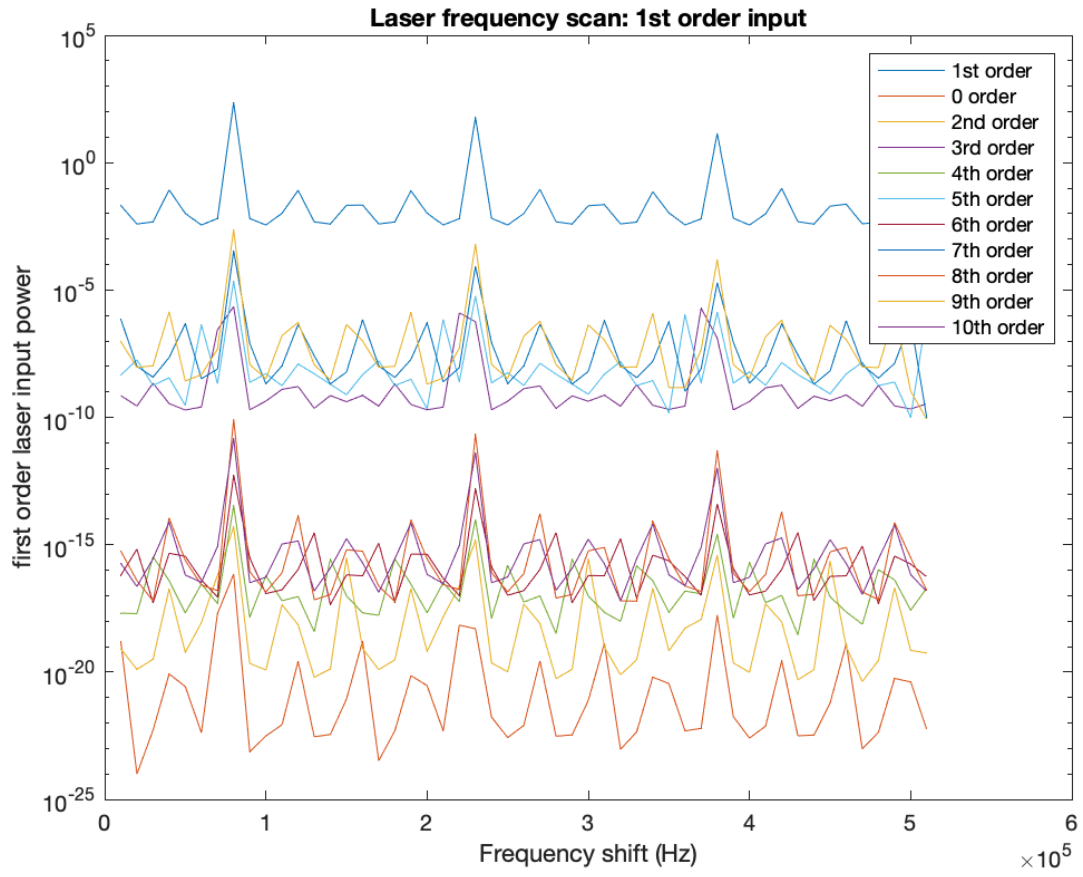
Laser frequency scan; 00th mode power

(I used Pooyan's code for 00 mode cavity scan, I added a new graph of 1-10th order scan with pure 00 mode laser input)
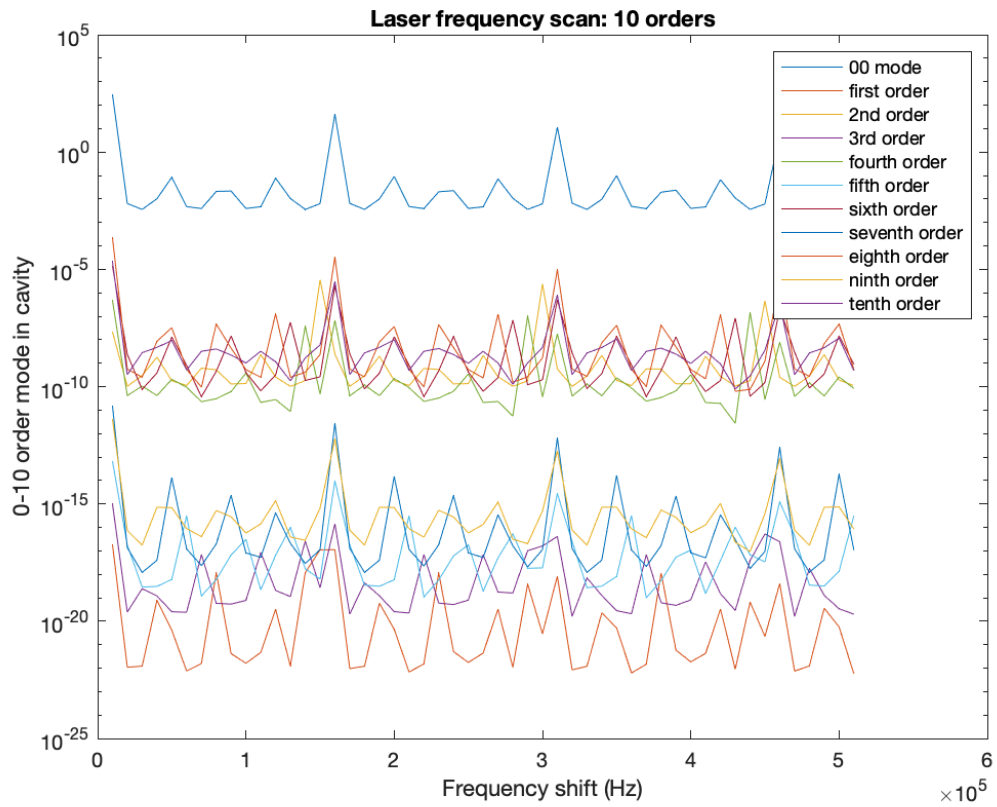
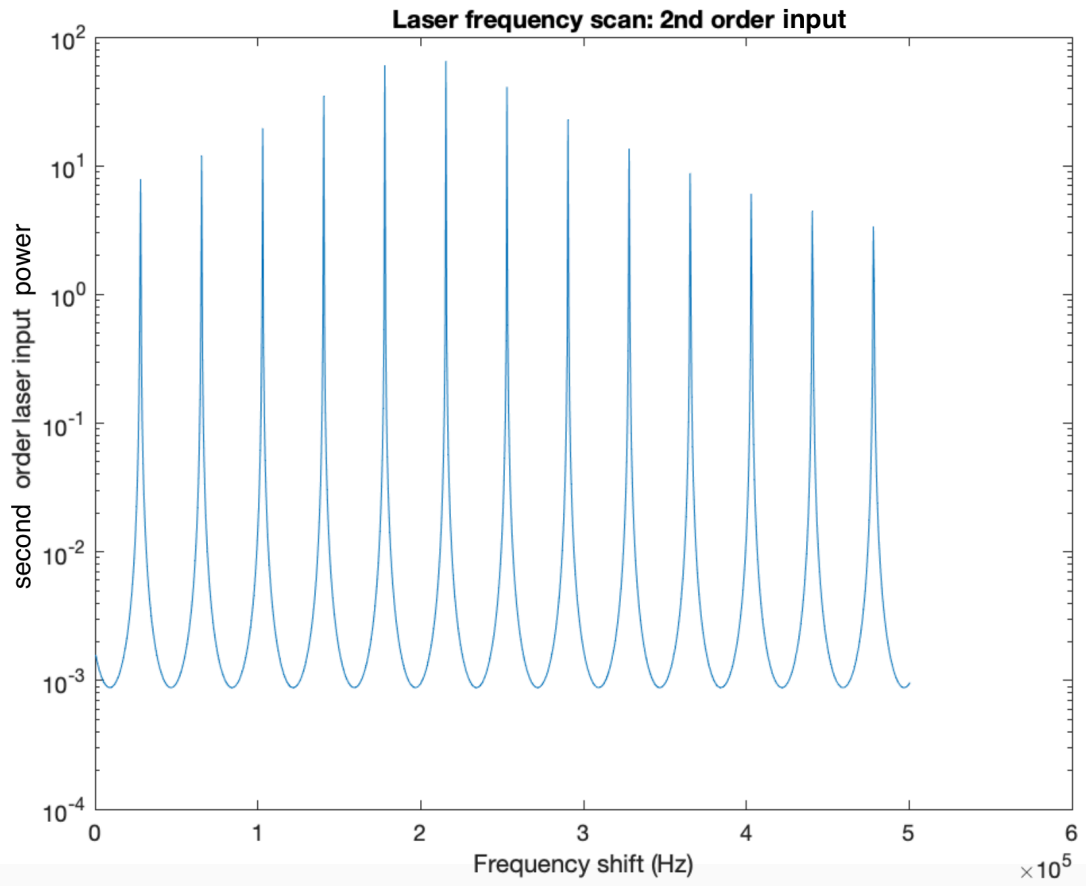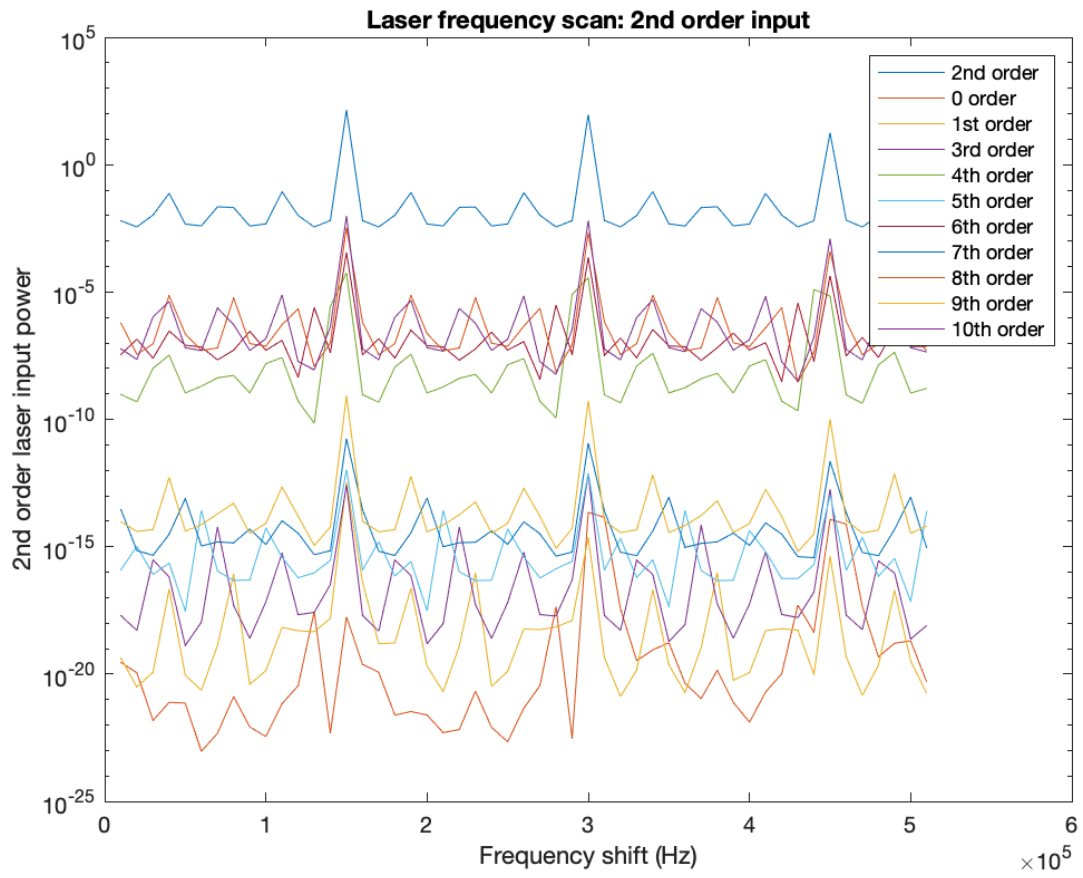# Cavity scan: 1st order laser input:

Laser frequency scan: 1st order
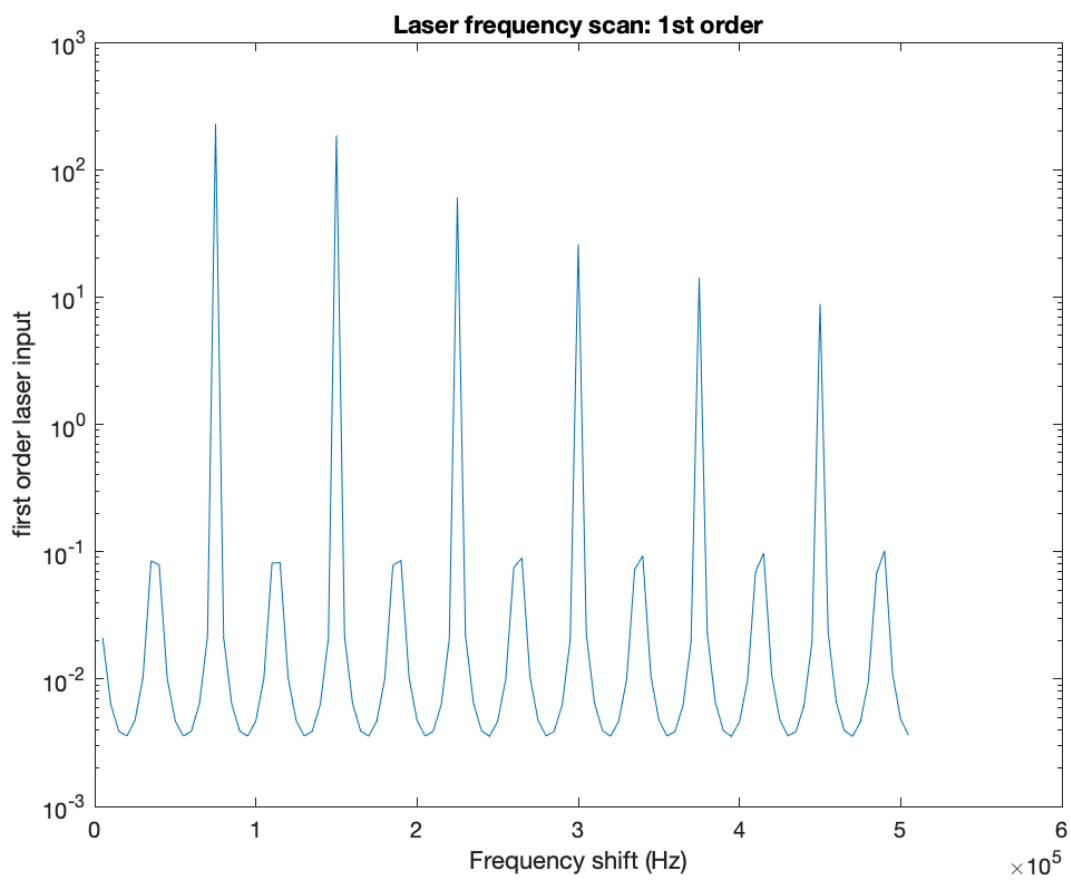
Scanning for 1-10th order with 1st order input laser

Cavity scan: 2nd order laser input:

Laser frequency scan: 2nd order input

Scanning for 1-10th order:

Laser frequency scan: 2nd order input

Next step

- Confirm the accuracy of the graphs produced (1st order and 2nd order laser), and correct my codes if necessary.
- Distribute and assign tasks for couple cavity project.
- Work on coupled cavity