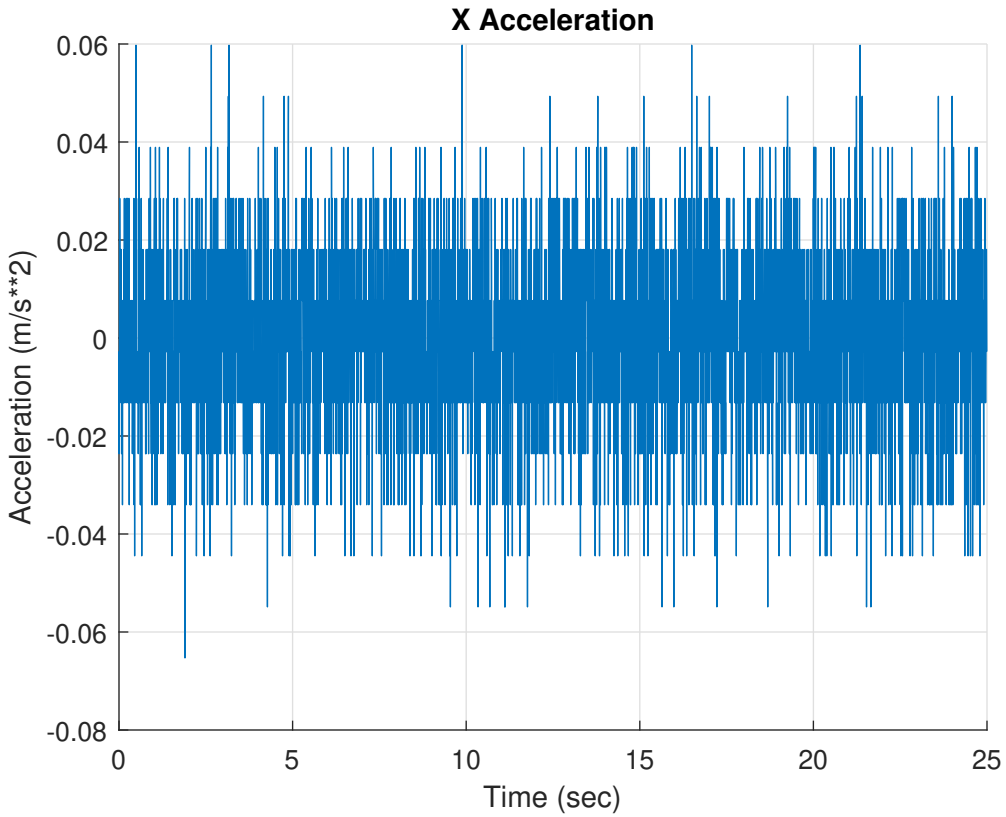
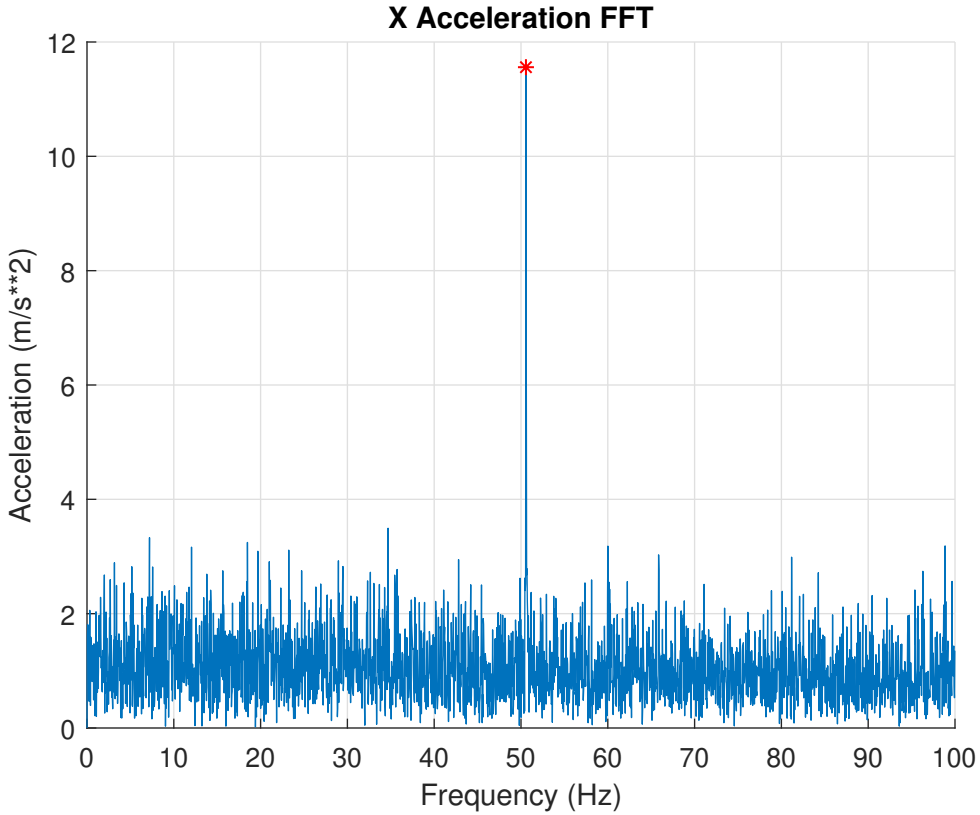
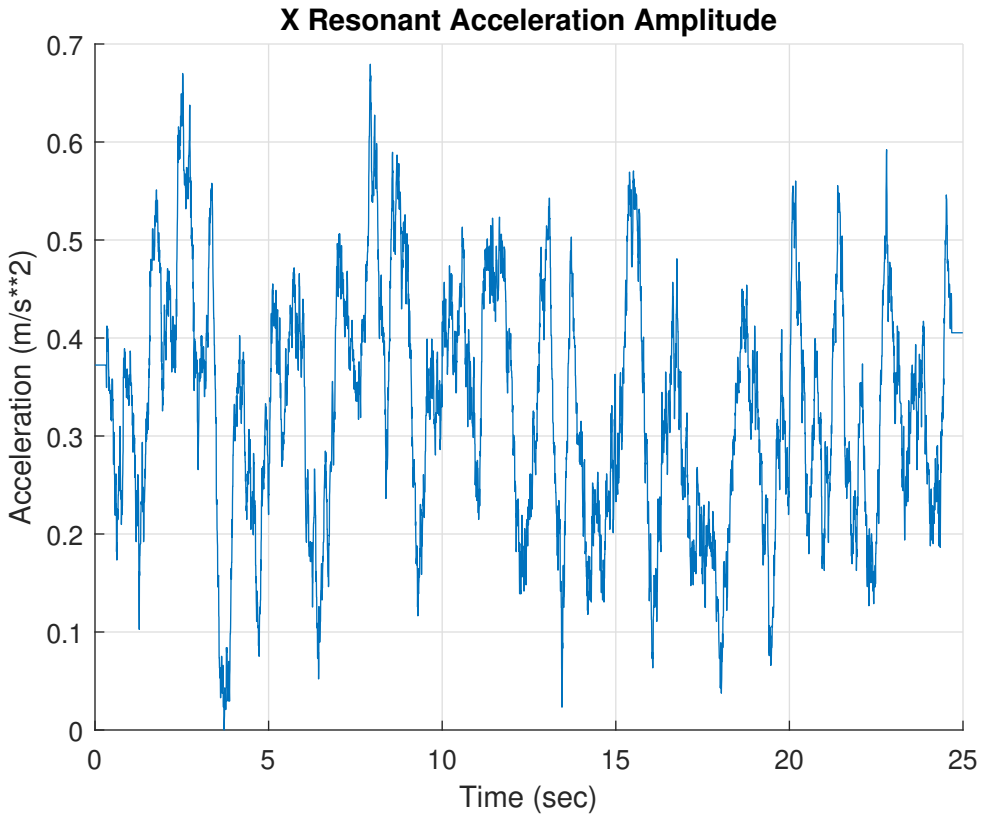
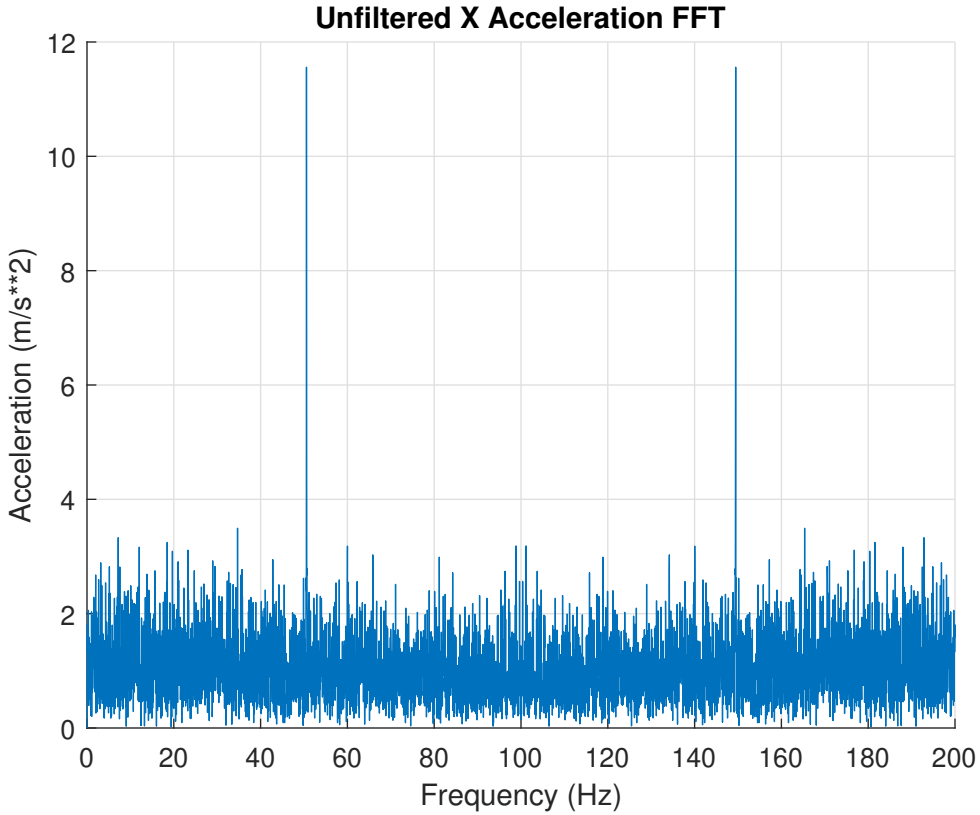
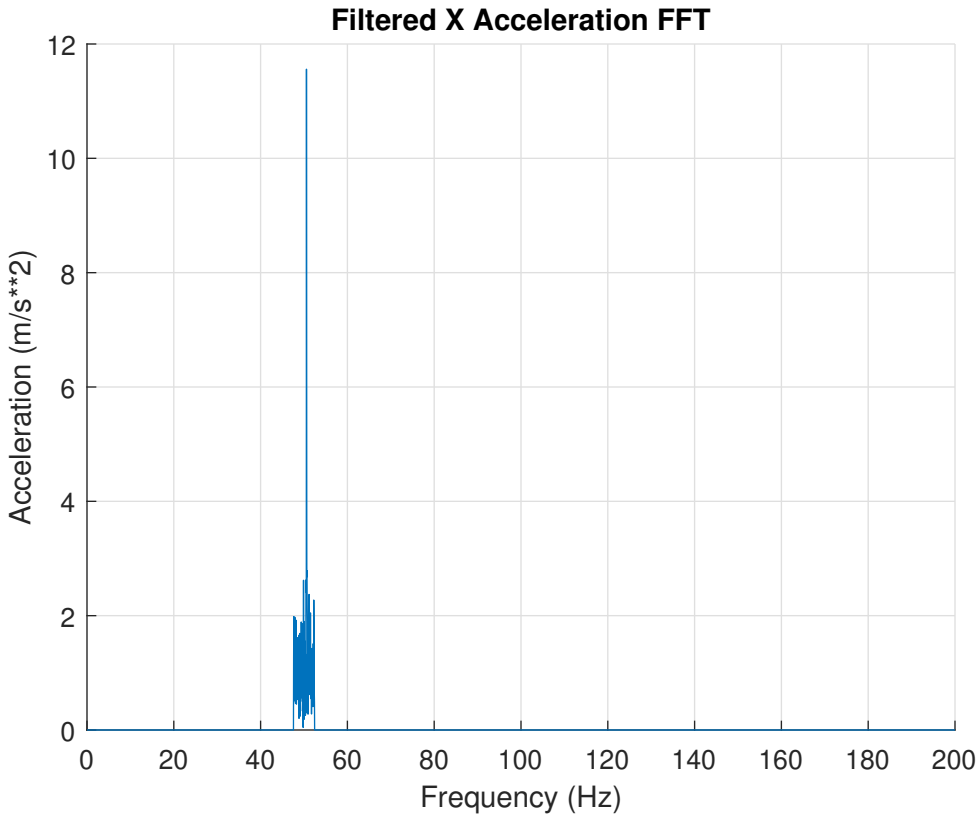
SLAC Magnetic Measurements#
Date: 05-24-2018#
Time: 17:37:00#

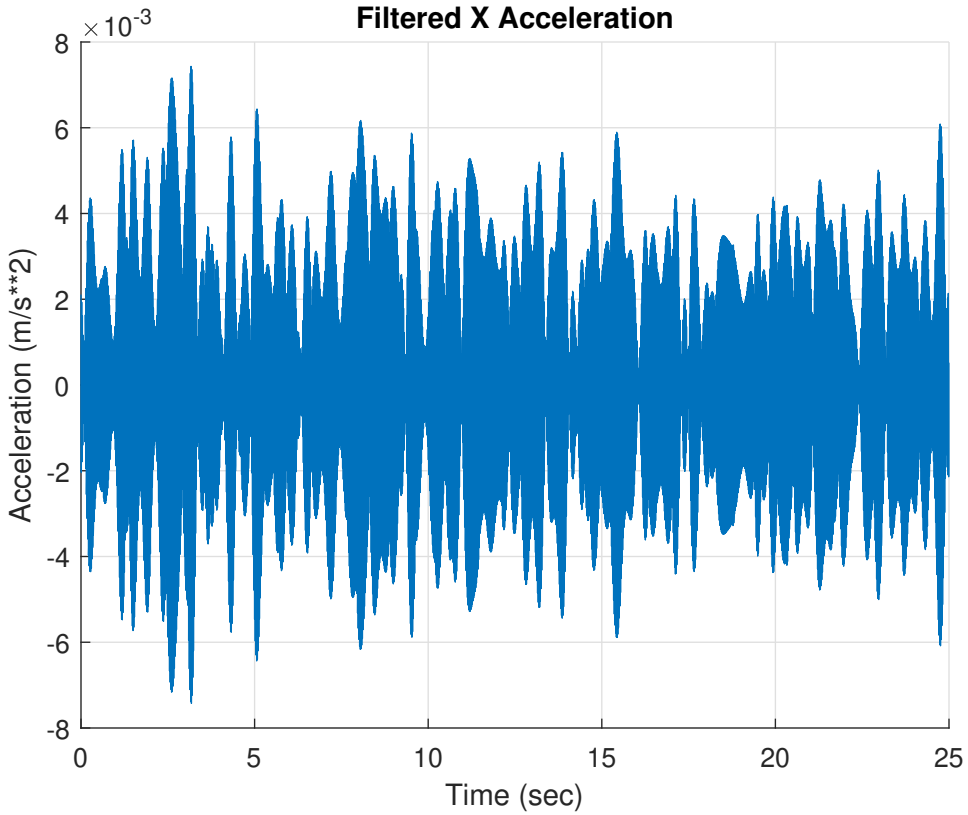

X Acceleration
0.06
0.04
0.02
0
-0.02
-0.04
-0.06
-0.08
Acceleration (m/s**2)
0
5
10
15
20
25
Time (sec)

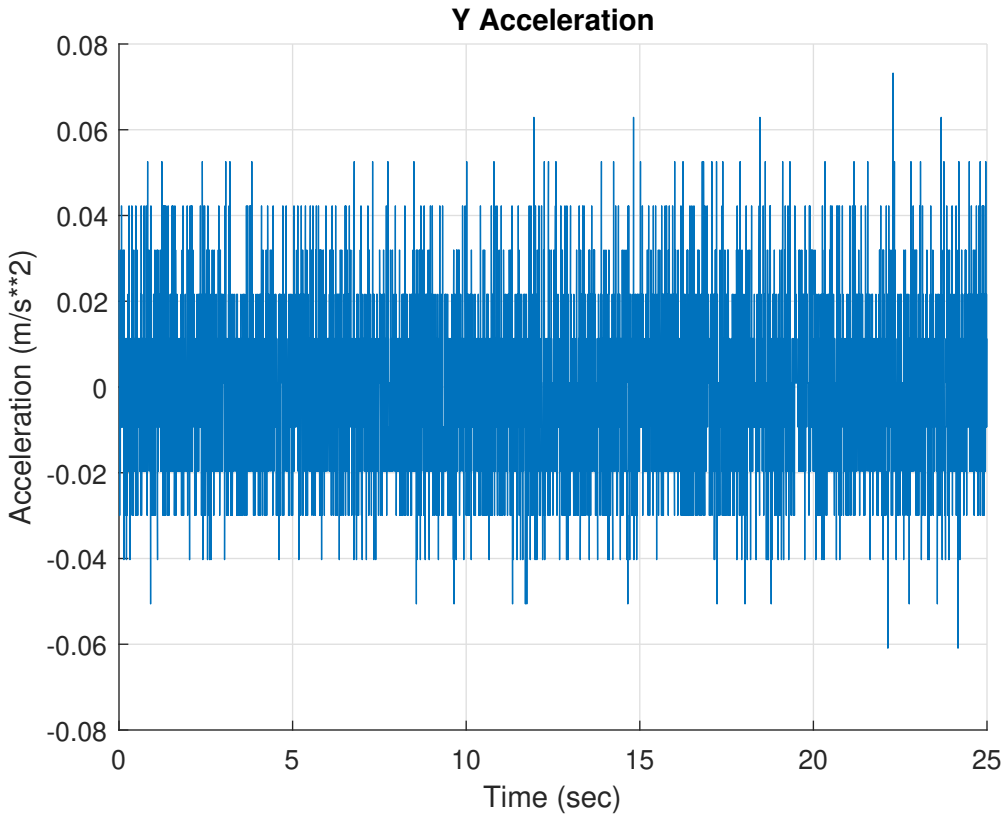

X Acceleration FFT
Acceleration (m/s**2)
Frequency (Hz)
0
2
4
6
8
10
12
0
10
20
30
40
50
60
70
80
90
100

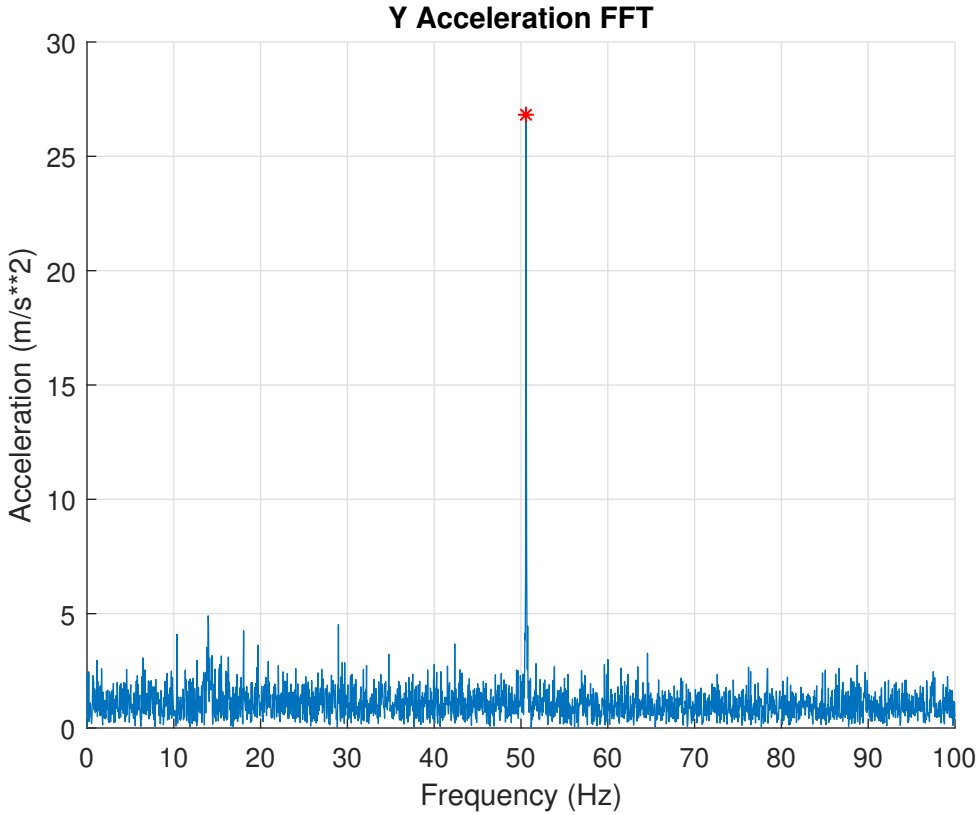

X Resonant Acceleration Amplitude
Acceleration (m/s**2)
Time (sec)
0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0
5
10
15
20
25

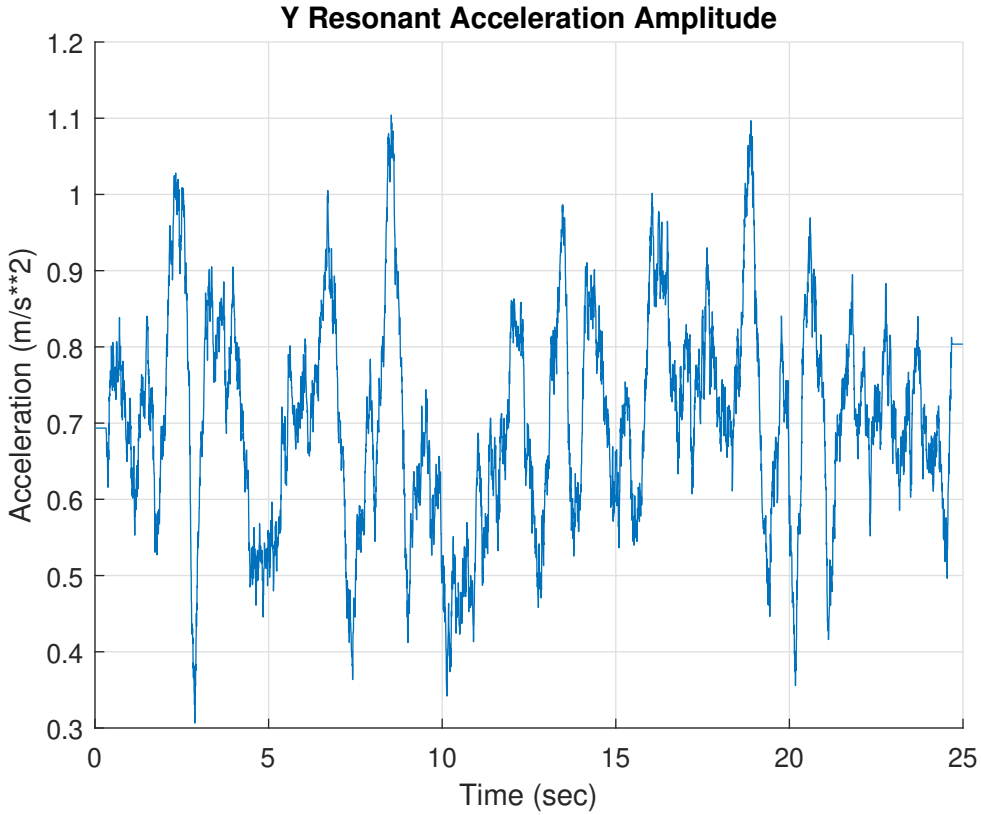

Unfiltered X Acceleration FFT
Acceleration (m/s**2)
Frequency (Hz)
0
2
4
6
8
10
12
0
20
40
60
80
100
120
140
160
180
200

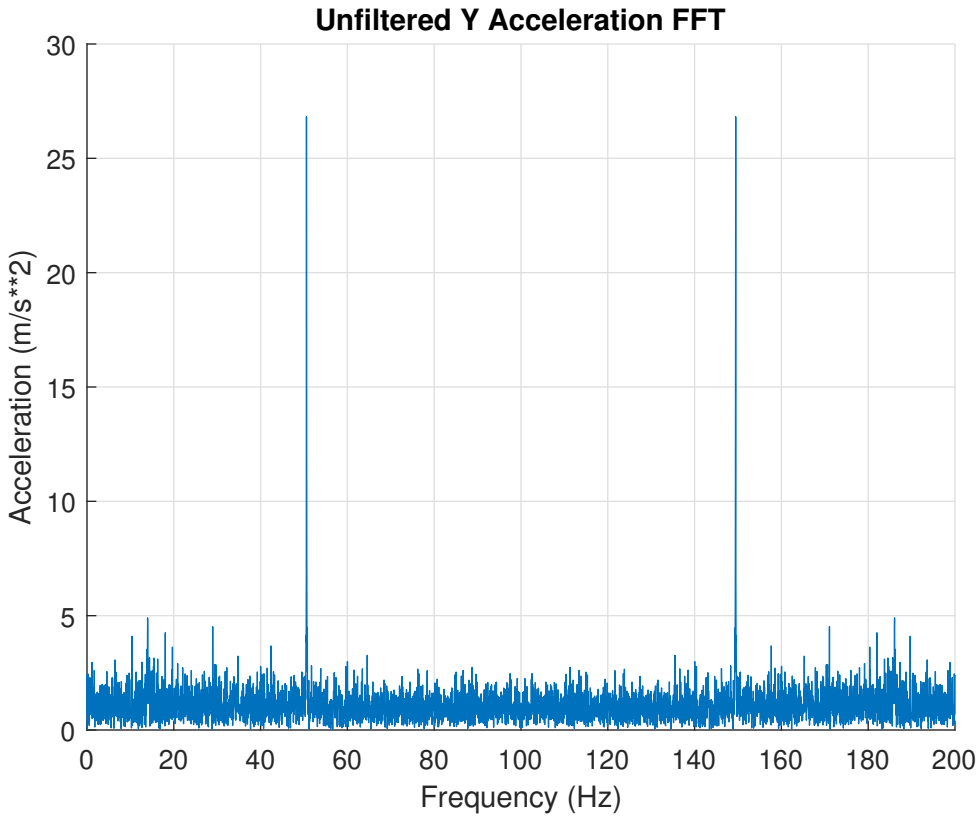

Filtered X Acceleration FFT
Acceleration (m/s**2)
Frequency (Hz)
0
2
4
6
8
10
12
0
20
40
60
80
100
120
140
160
180
200

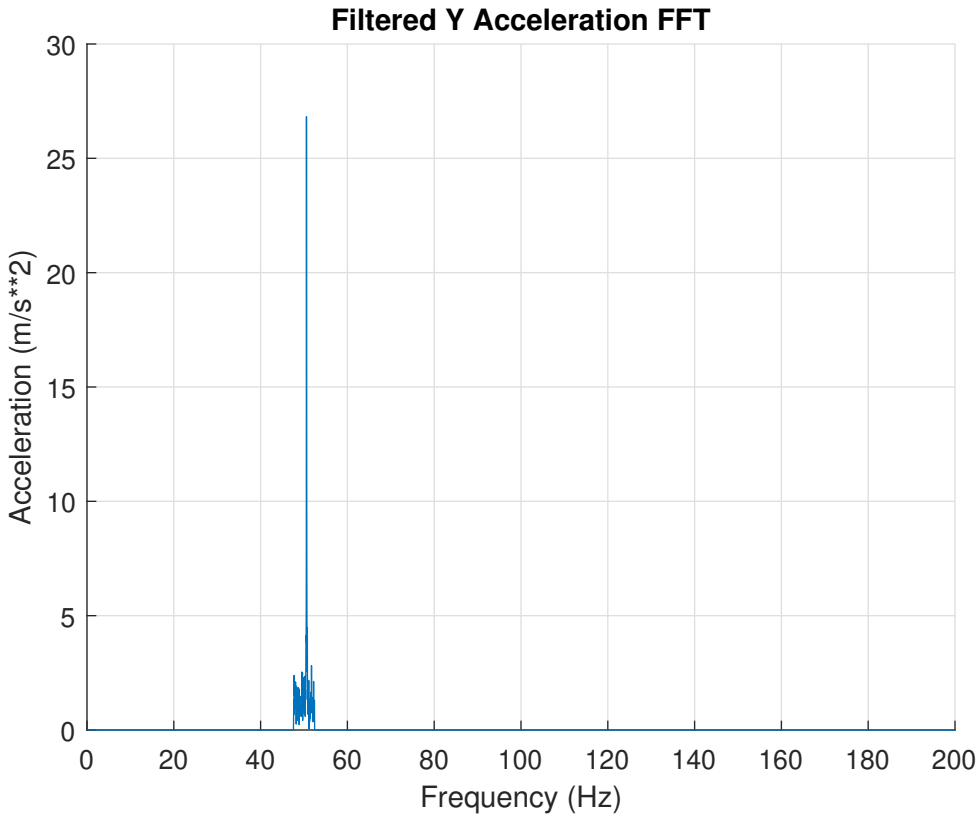

Filtered X Acceleration
×10^-3
8
6
4
2
0
-2
-4
-6
-8
Acceleration (m/s**2)
0
5
10
15
20
25
Time (sec)

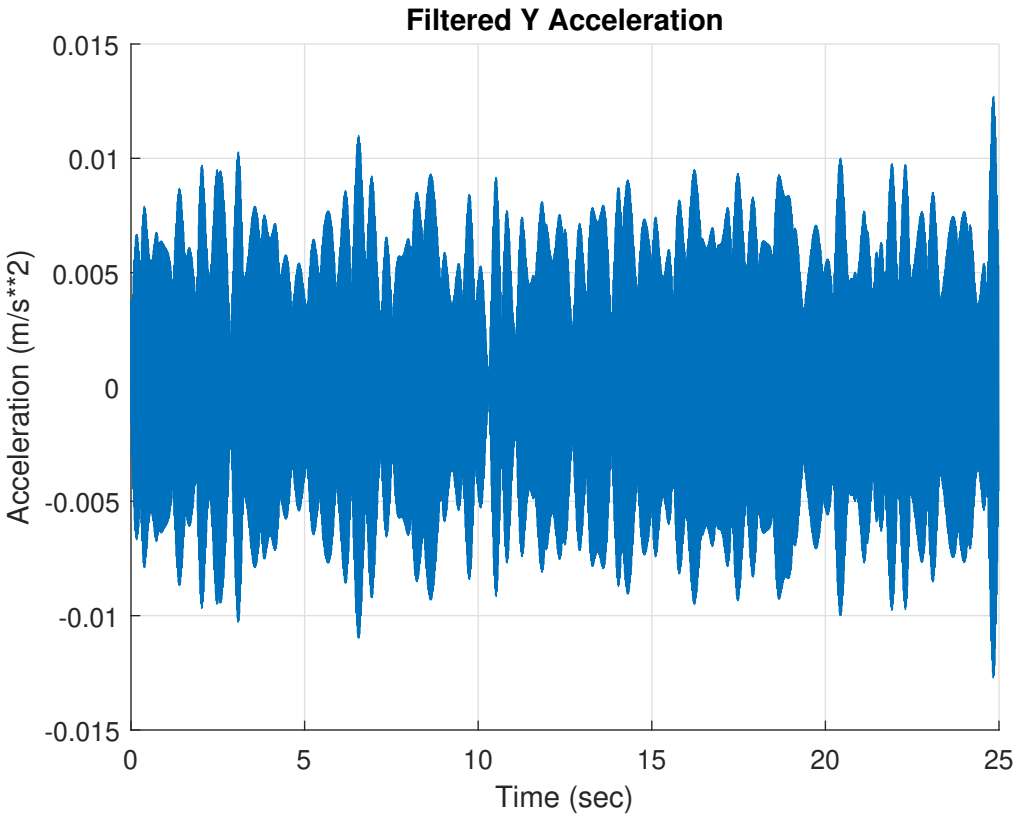

Y Acceleration
Acceleration (m/s**2)
Time (sec)
0.08
0.06
0.04
0.02
0
-0.02
-0.04
-0.06
-0.08
0
5
10
15
20
25

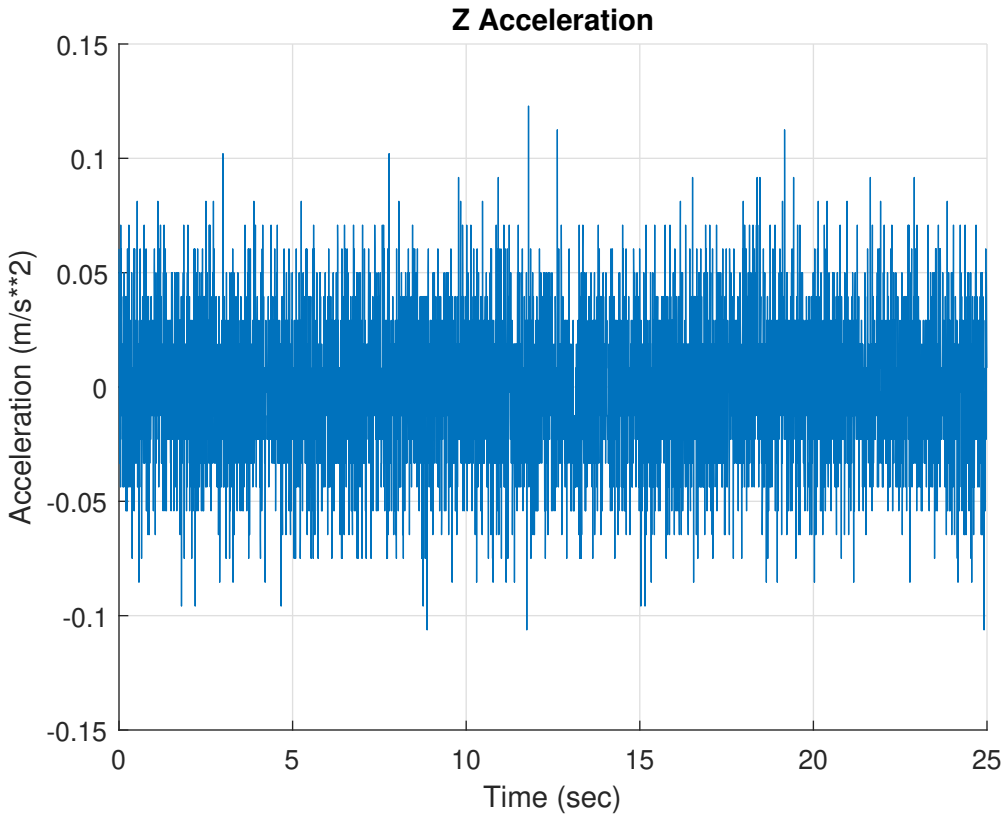

Y Acceleration FFT
Acceleration (m/s**2)
Frequency (Hz)
0
5
10
15
20
25
30
0
10
20
30
40
50
60
70
80
90
100

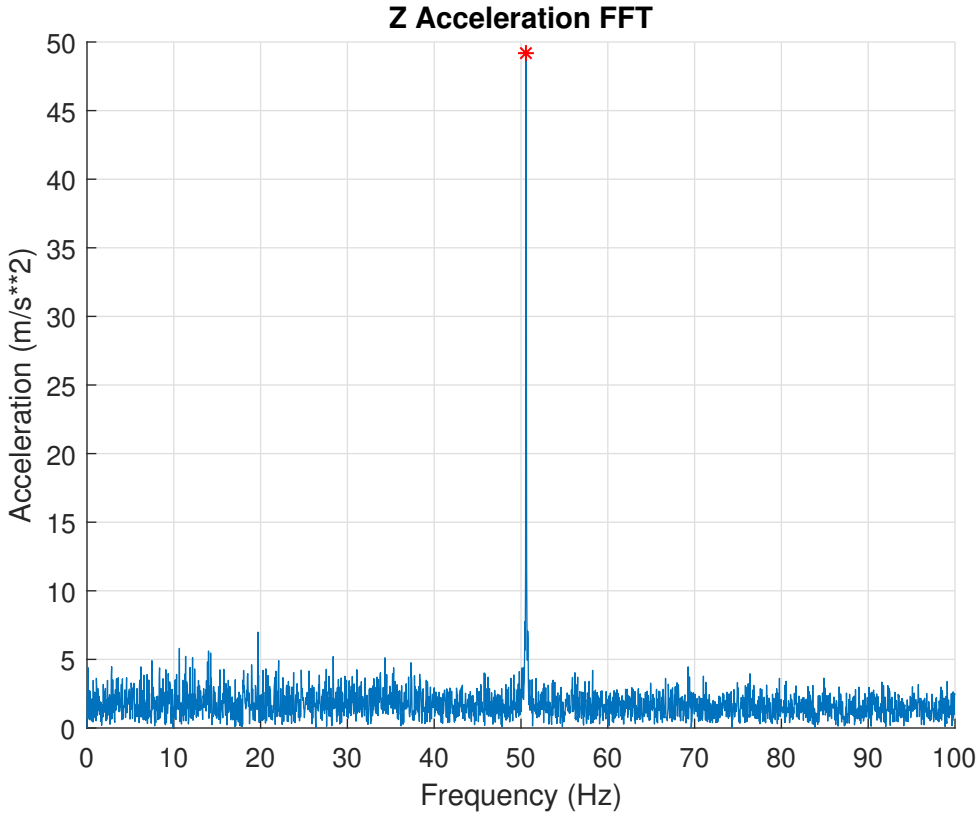

Y Resonant Acceleration Amplitude
Acceleration (m/s**2)
Time (sec)
1.2
1.1
1
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0
5
10
15
20
25

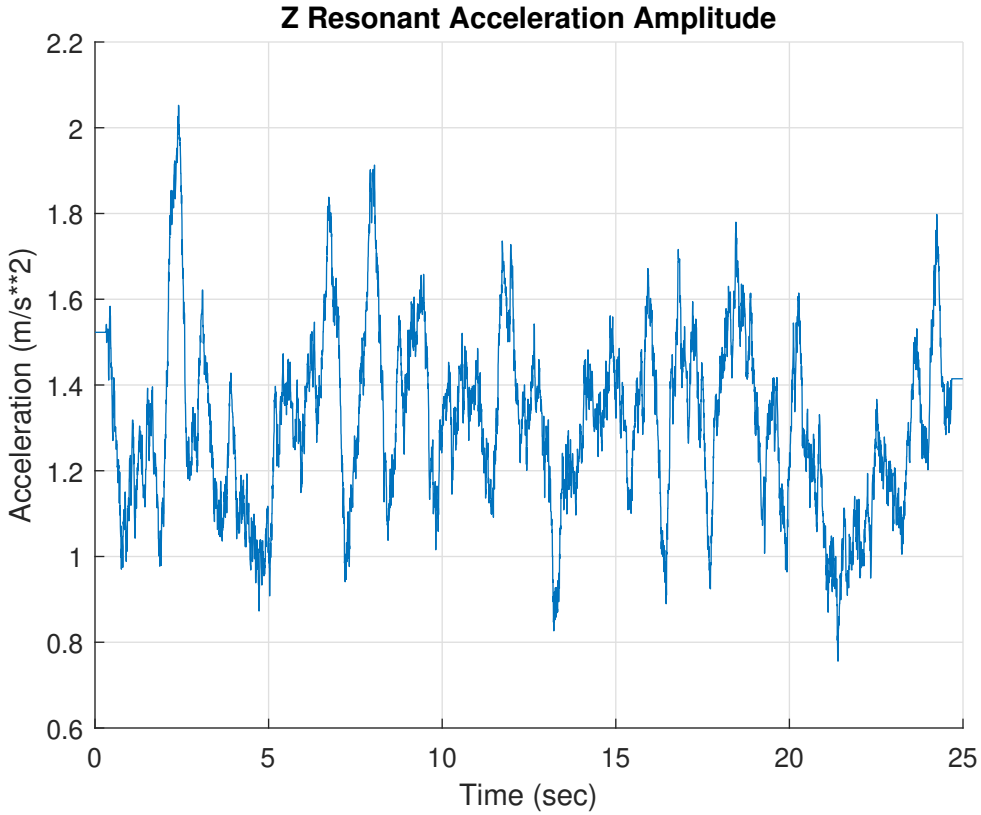

Unfiltered Y Acceleration FFT
Acceleration (m/s**2)
Frequency (Hz)
0
5
10
15
20
25
30
0
20
40
60
80
100
120
140
160
180
200

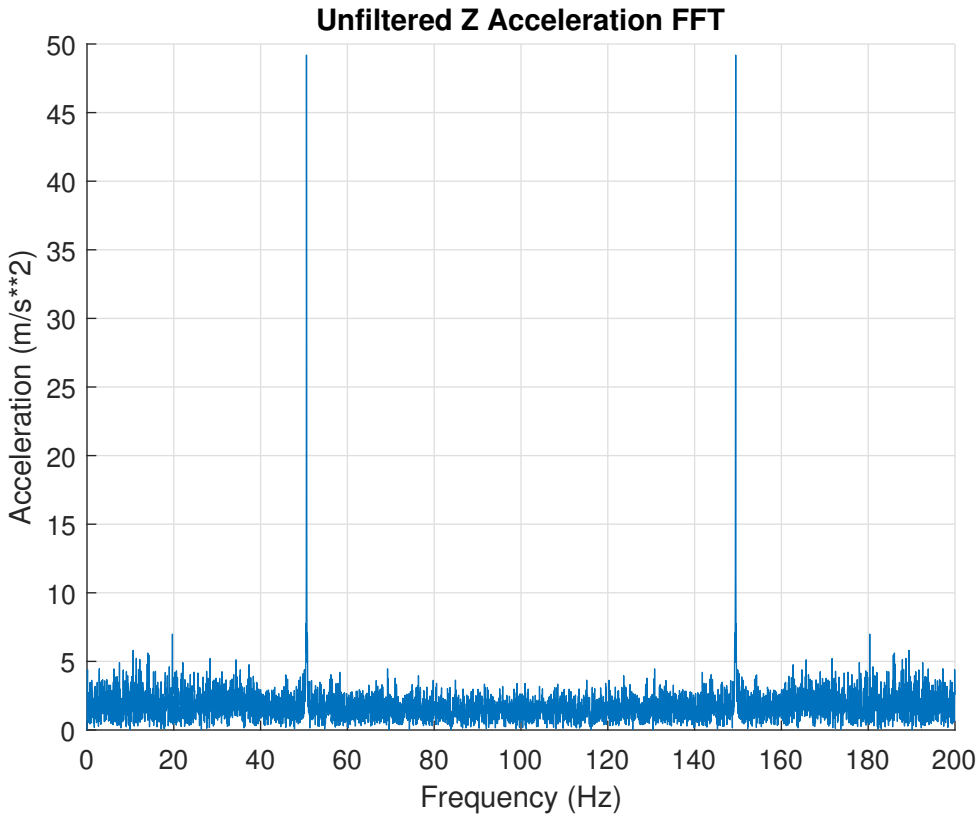

Filtered Y Acceleration FFT
Acceleration (m/s**2)
Frequency (Hz)
0
5
10
15
20
25
30
0
20
40
60
80
100
120
140
160
180
200

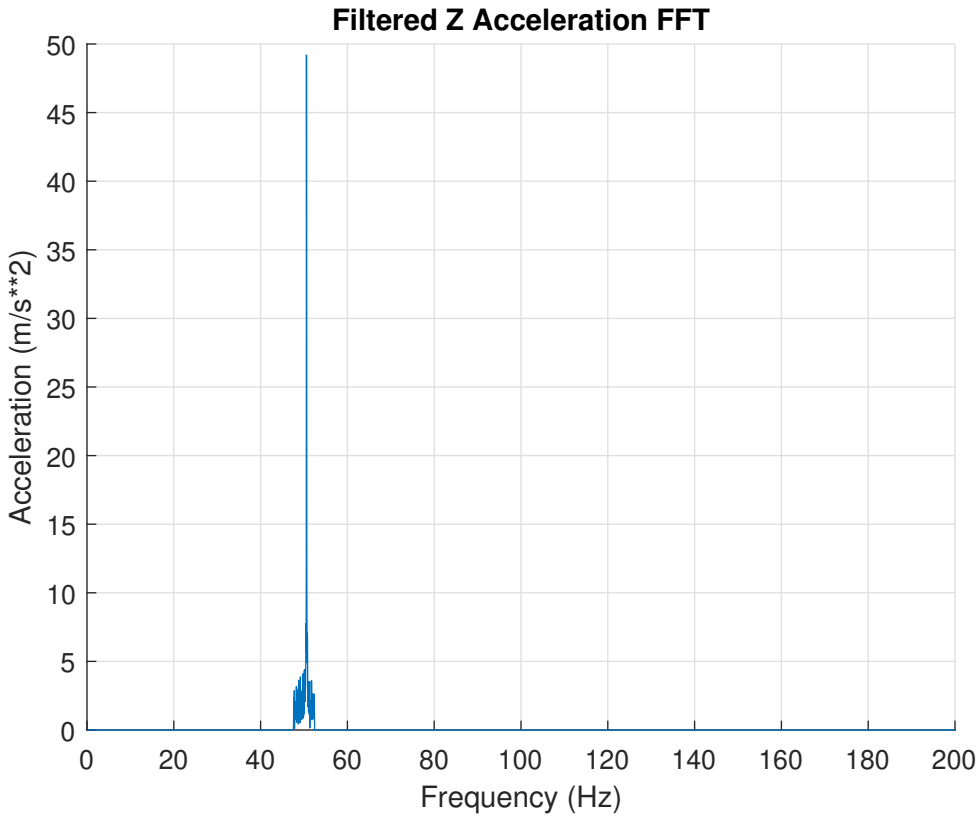

Filtered Y Acceleration
0.015
0.01
0.005
0
-0.005
-0.01
-0.015
Acceleration (m/s**2)
0
5
10
15
20
25
Time (sec)

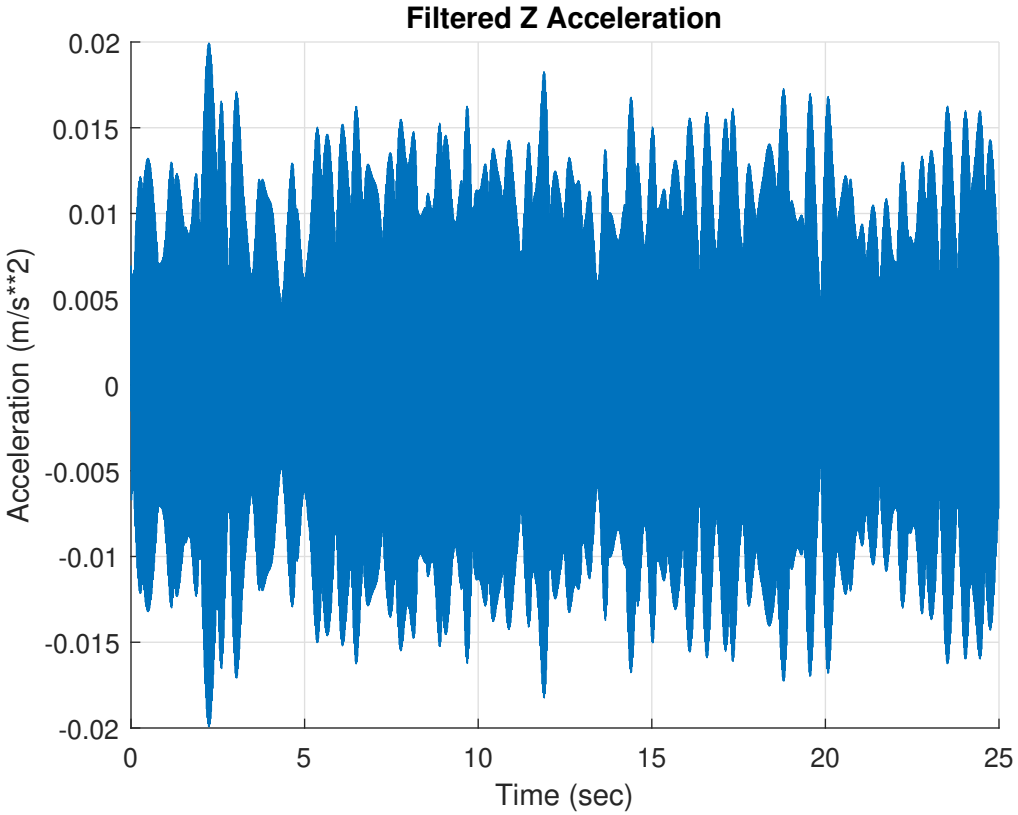

Z Acceleration
0.15
0.1
0.05
0
-0.05
-0.1
-0.15
Acceleration (m/s**2)
0
5
10
15
20
25
Time (sec)


Z Acceleration FFT
Acceleration (m/s**2)
Frequency (Hz)
0
5
10
15
20
25
30
35
40
45
50
0
10
20
30
40
50
60
70
80
90
100


Z Resonant Acceleration Amplitude
Acceleration (m/s**2)
Time (sec)
2.2
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0
5
10
15
20
25


Unfiltered Z Acceleration FFT
Acceleration (m/s**2)
Frequency (Hz)
0
5
10
15
20
25
30
35
40
45
50
0
20
40
60
80
100
120
140
160
180
200


Filtered Z Acceleration FFT
Acceleration (m/s**2)
Frequency (Hz)
0
5
10
15
20
25
30
35
40
45
50
0
20
40
60
80
100
120
140
160
180
200


Filtered Z Acceleration
Acceleration (m/s**2)
0.02
0.015
0.01
0.005
0
-0.005
-0.01
-0.015
-0.02
0
5
10
15
20
25
Time (sec)