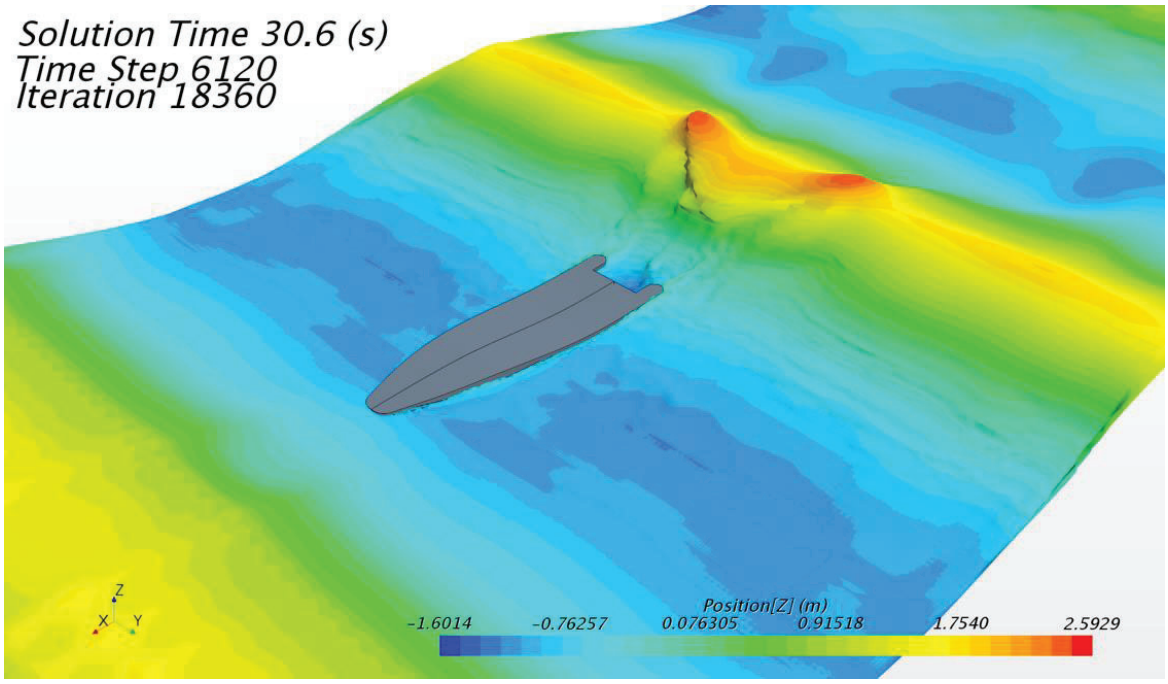
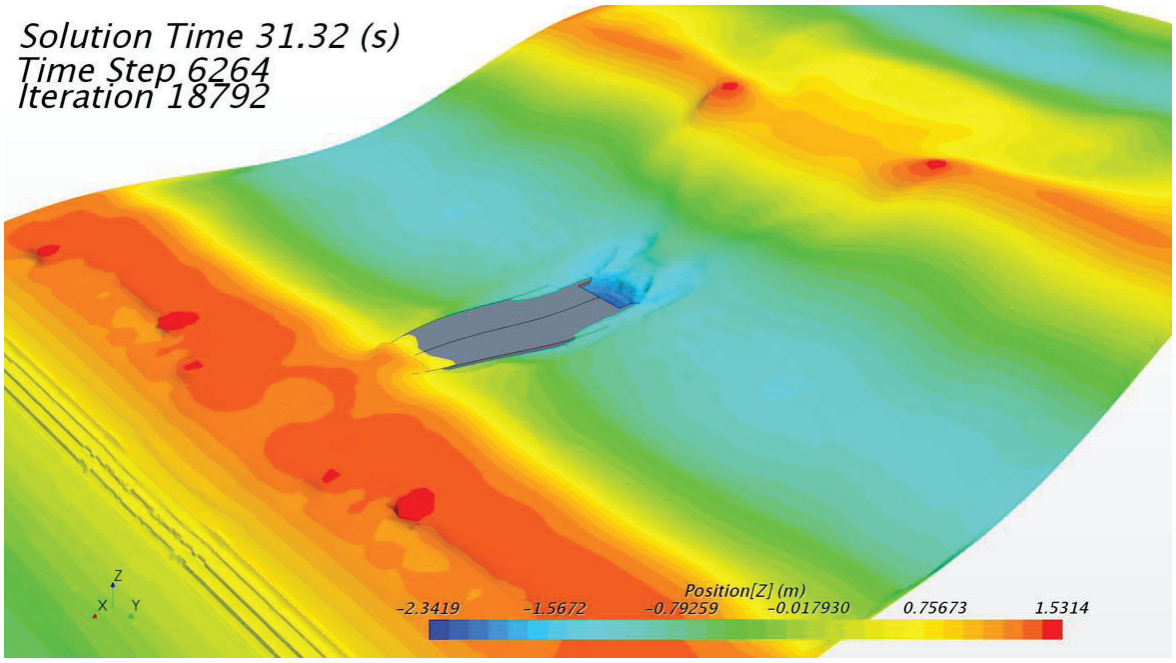
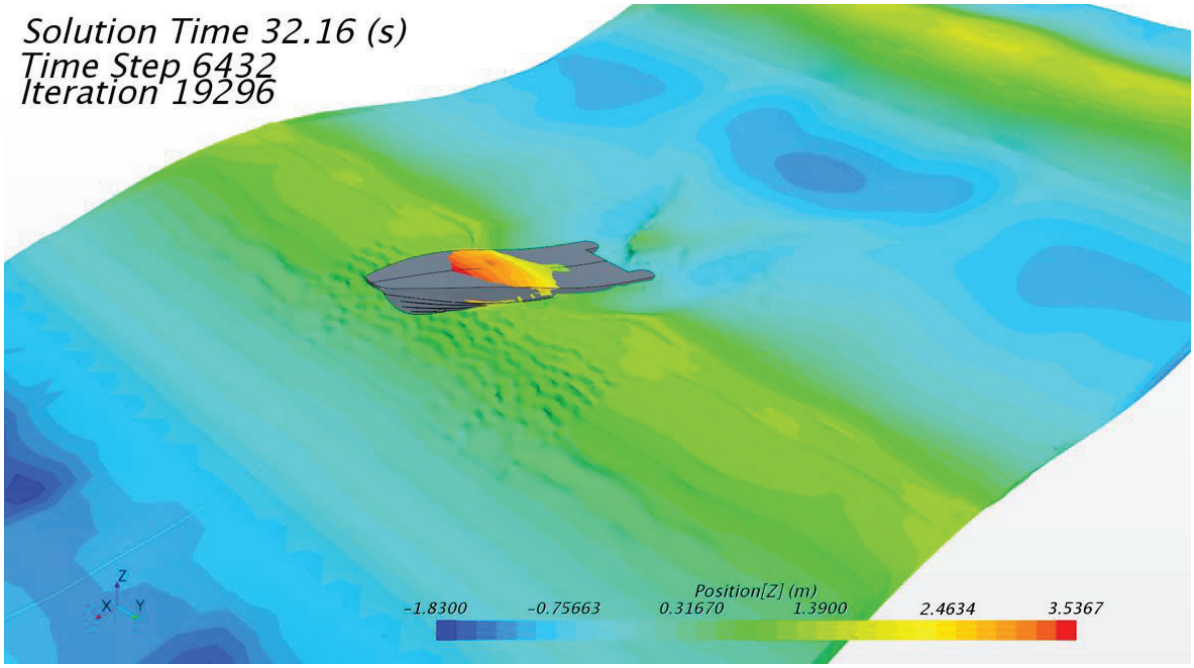
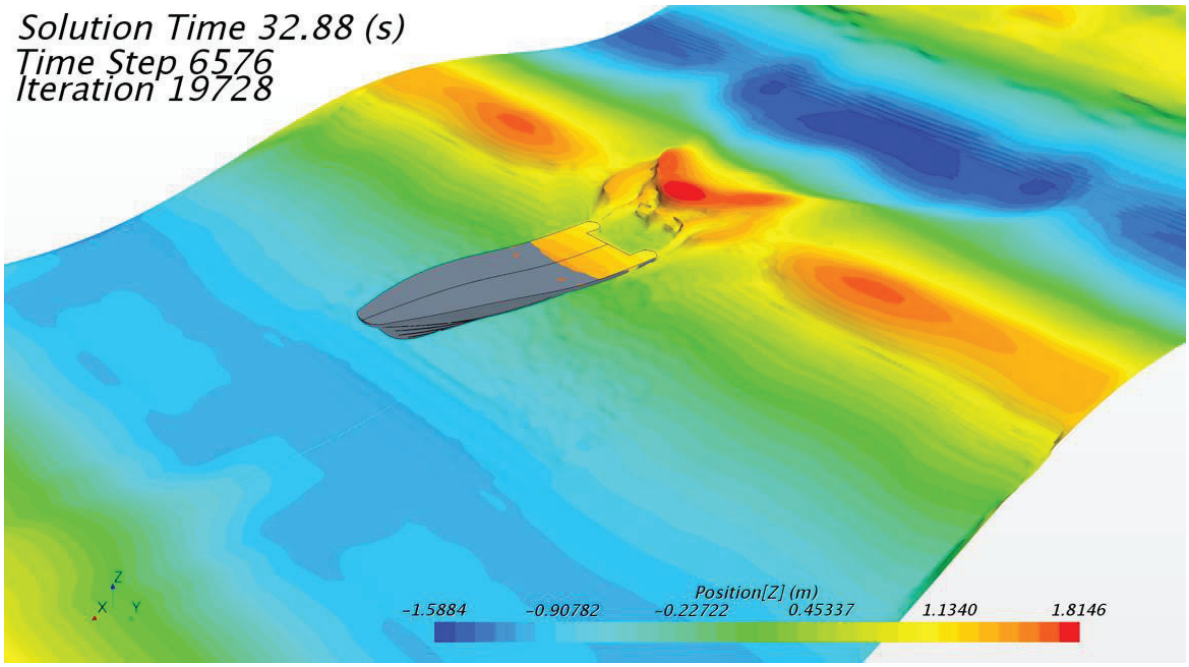
8. Graphical outputs from software application

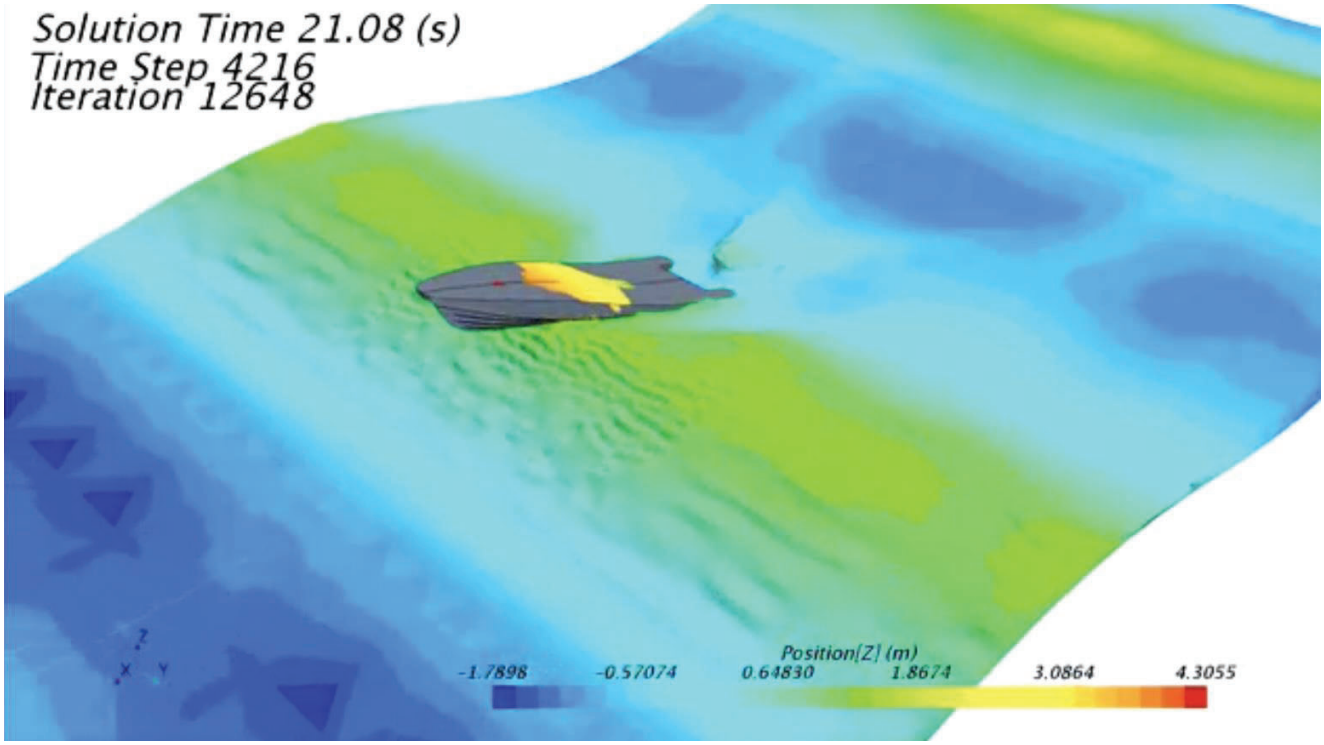
Graphical outputs form software application Star CCM are given on pictures below::

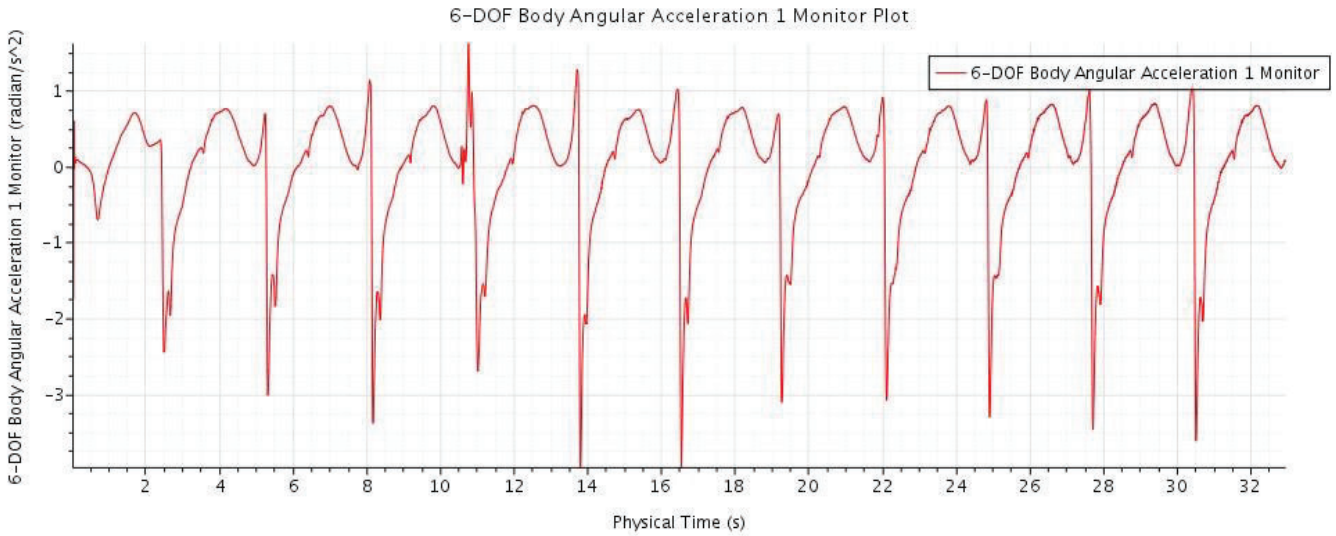


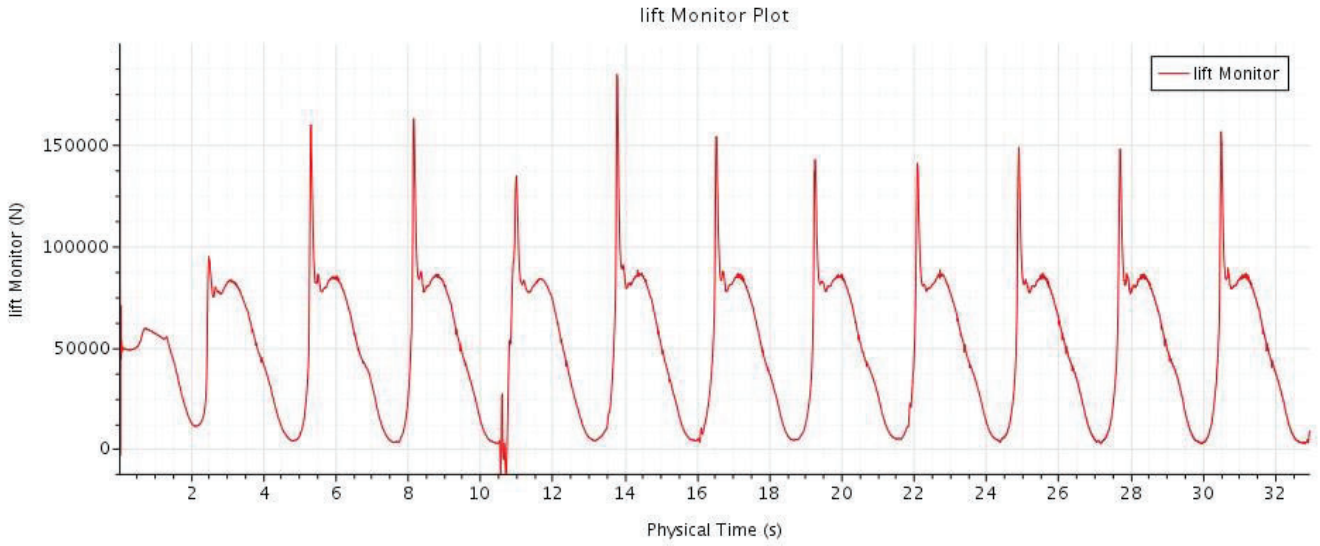


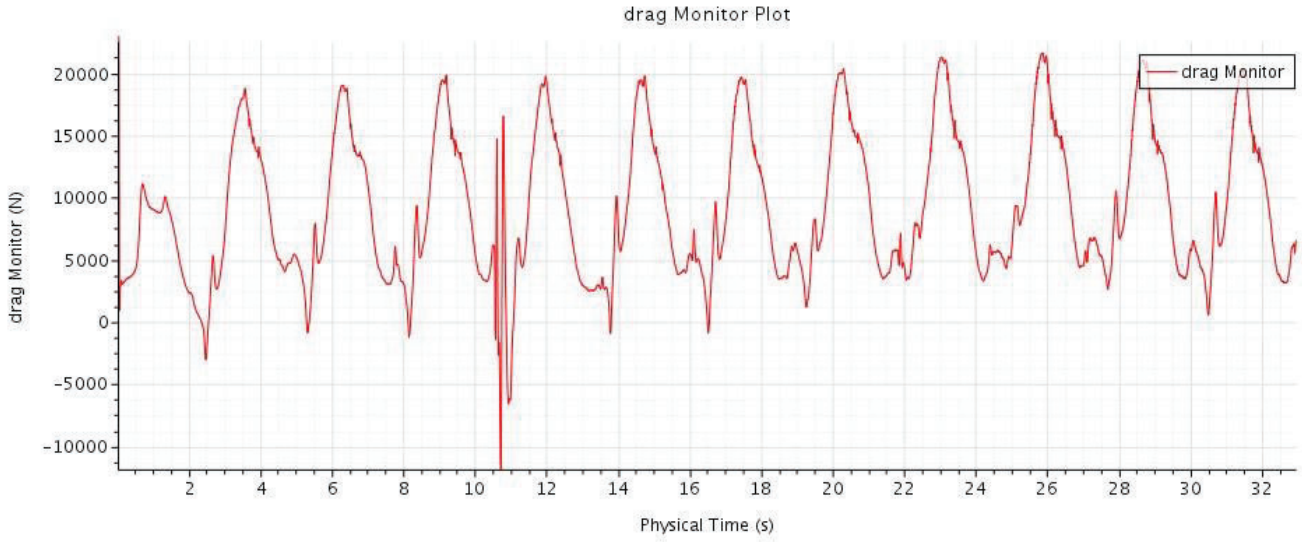

Solution Time 32.16 (s)
Time Step 6432
Iteration 19296
Position[Z] (m)
-1.8300
-0.75663
0.31670
1.3900
2.4634
3.5367

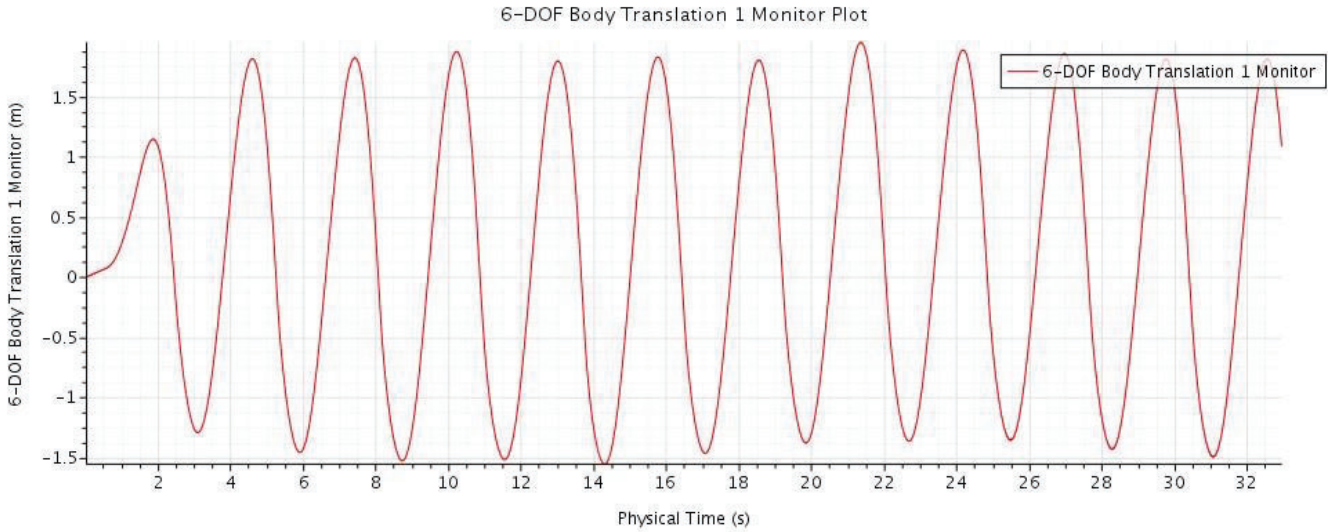

Solution Time 32.88 (s)
Time Step 6576
Iteration 19728
Position[Z] (m)
-1.5884
-0.90782
-0.22722
0.45337
1.1340
1.8146

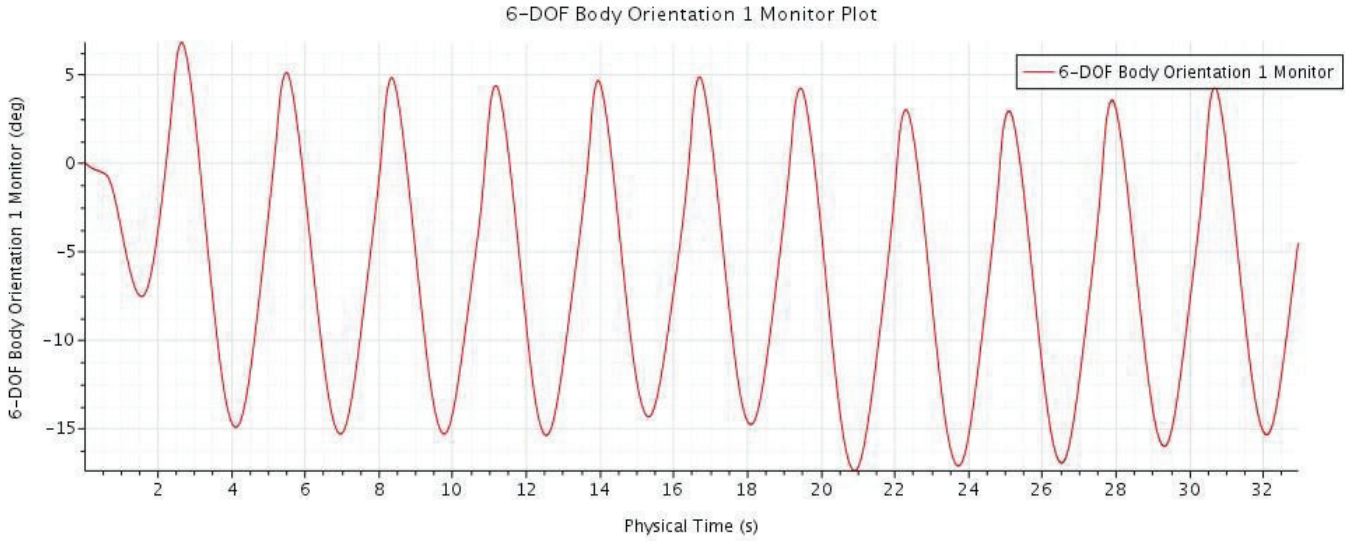

Solution Time 21.08 (s)
Time Step 4216
Iteration 12648
Position[Z] (m)
-1.7898
-0.57074
0.64830
1.8674
3.0864
4.3055

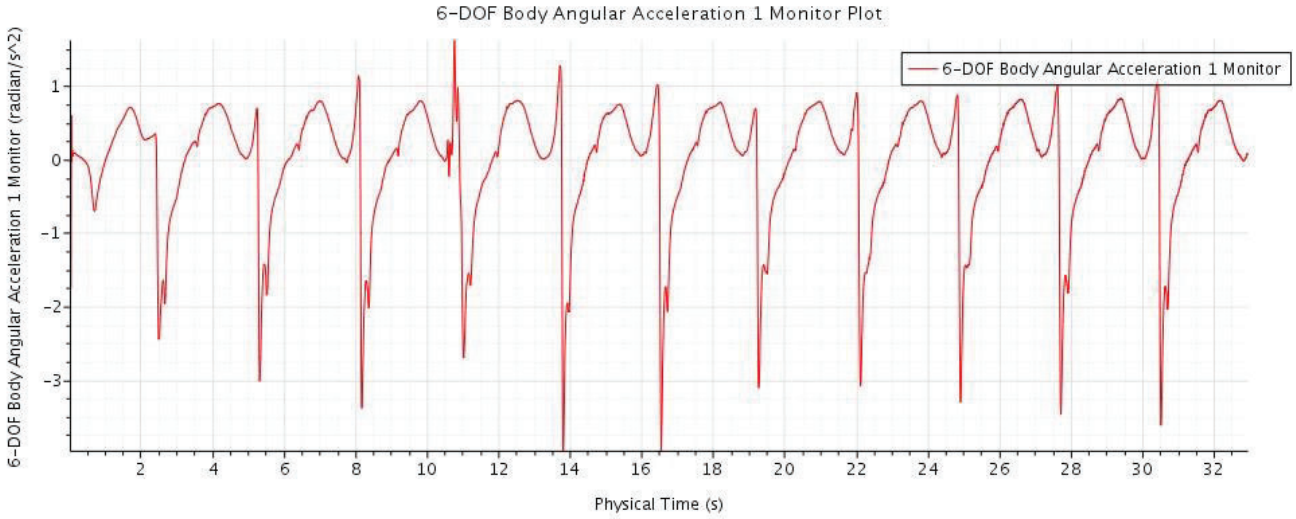

6-DOF Body Angular Acceleration 1 Monitor Plot
6-DOF Body Angular Acceleration 1 Monitor
6-DOF Body Angular Acceleration 1 Monitor (radian/s^2)
Physical Time (s)
1
0
-1
-2
-3
2
4
6
8
10
12
14
16
18
20
22
24
26
28
30
32


lift Monitor Plot
lift Monitor
lift Monitor (N)
150000
100000
50000
0
2
4
6
8
10
12
14
16
18
20
22
24
26
28
30
32
Physical Time (s)


drag Monitor Plot
drag Monitor
drag Monitor (N)
20000
15000
10000
5000
0
-5000
-10000
2
4
6
8
10
12
14
16
18
20
22
24
26
28
30
32
Physical Time (s)


6-DOF Body Translation 1 Monitor Plot
6-DOF Body Translation 1 Monitor
6-DOF Body Translation 1 Monitor (m)
Physical Time (s)


6-DOF Body Orientation 1 Monitor Plot
6-DOF Body Orientation 1 Monitor
6-DOF Body Orientation 1 Monitor (deg)
Physical Time (s)


6-DOF Body Angular Acceleration 1 Monitor Plot
6-DOF Body Angular Acceleration 1 Monitor
6-DOF Body Angular Acceleration 1 Monitor (radian/s^2)
Physical Time (s)
1
0
-1
-2
-3
2
4
6
8
10
12
14
16
18
20
22
24
26
28
30
32