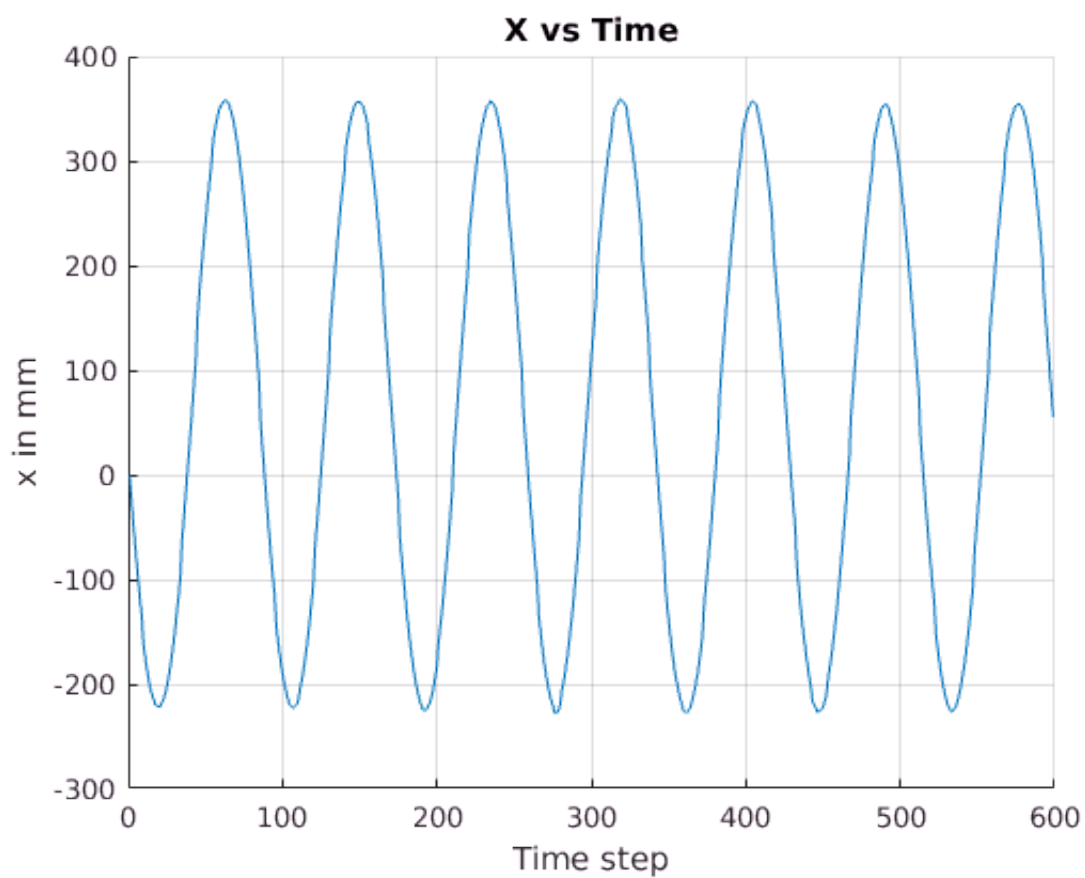
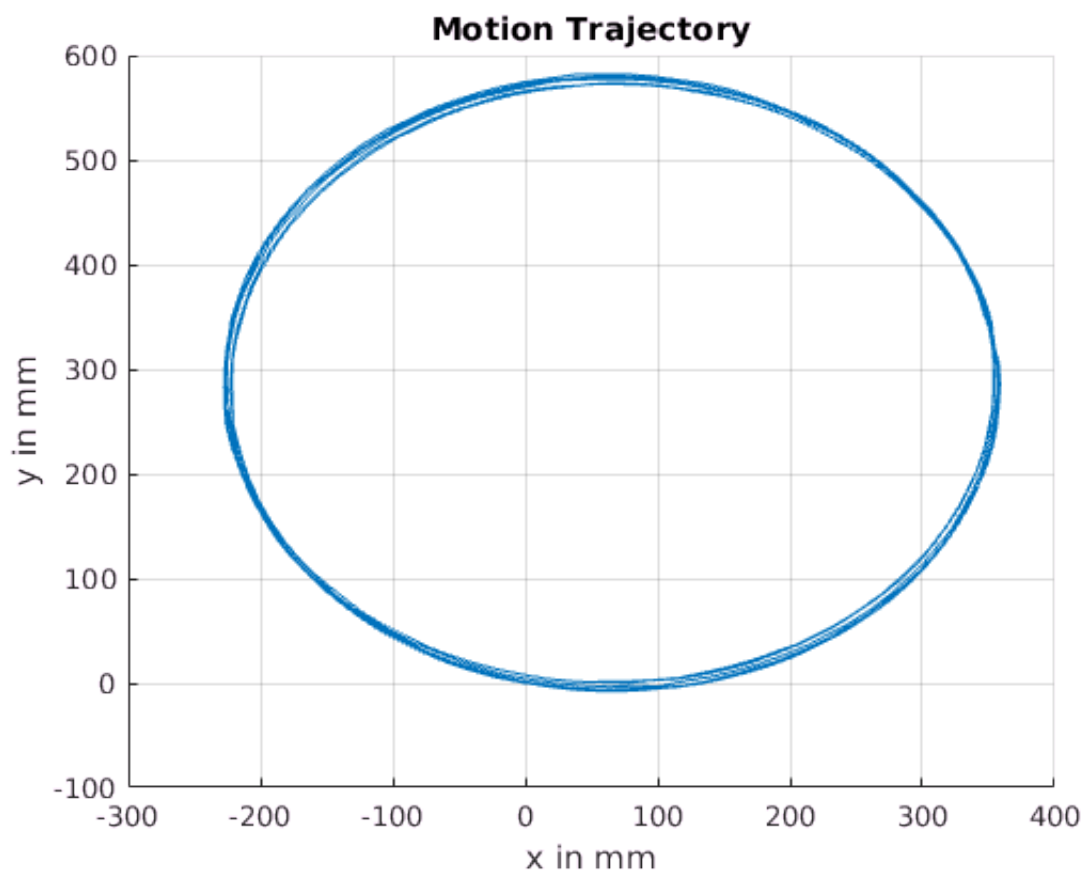
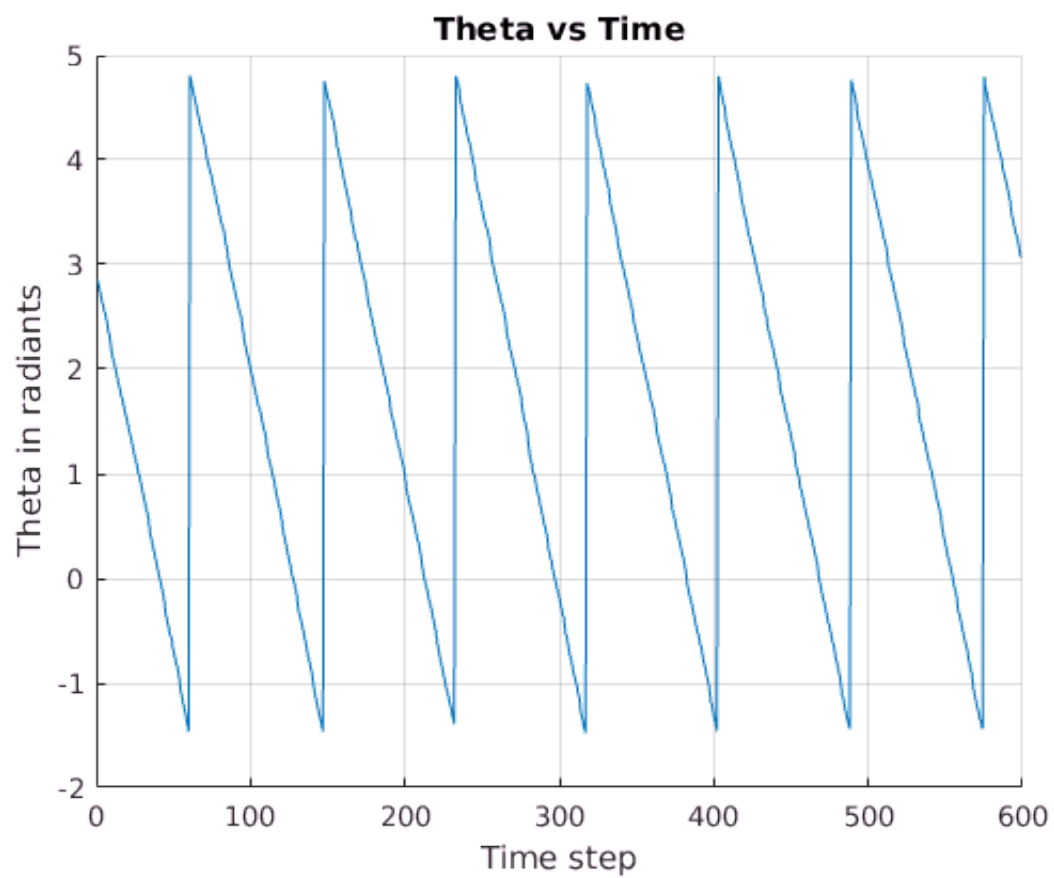
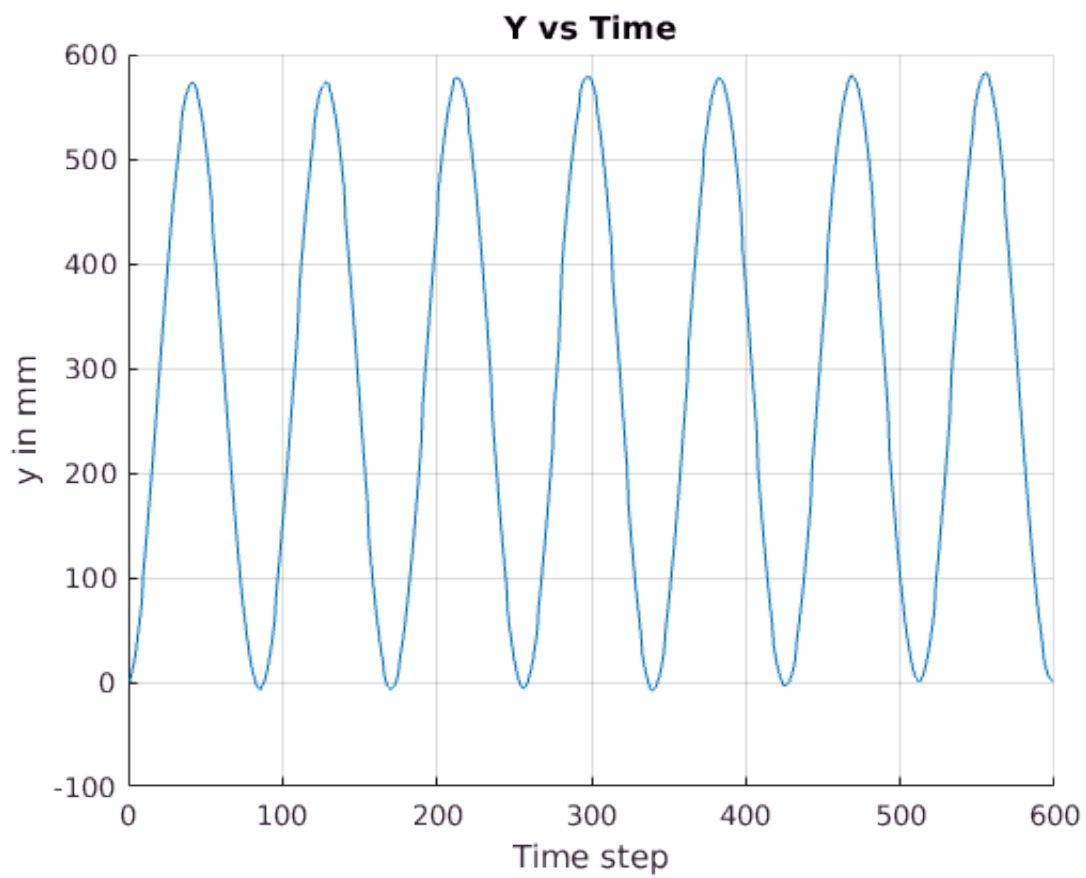
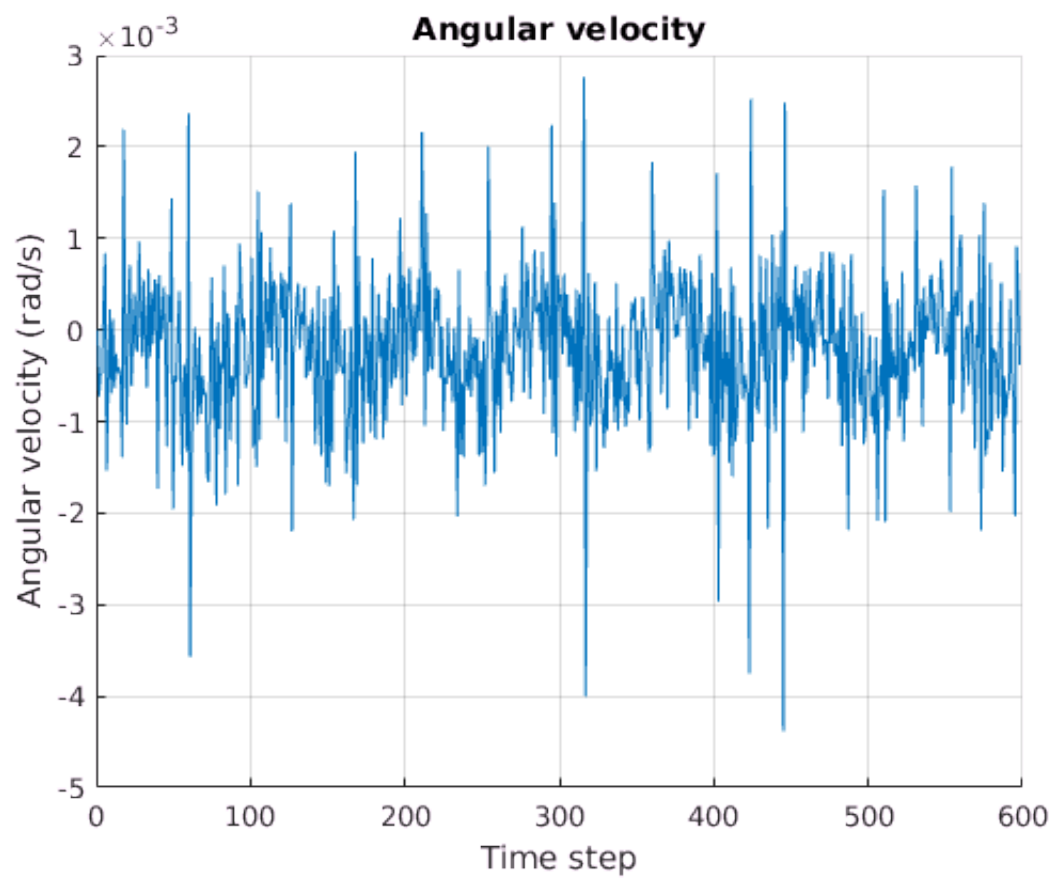
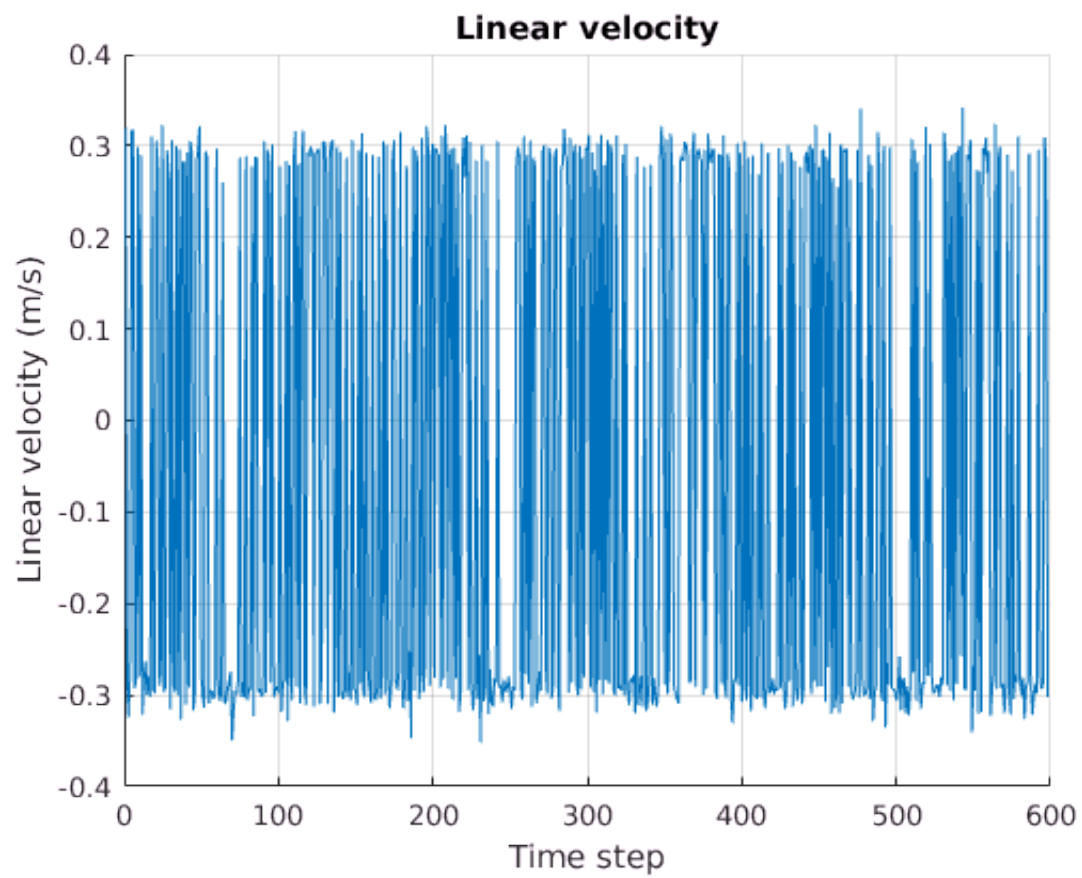
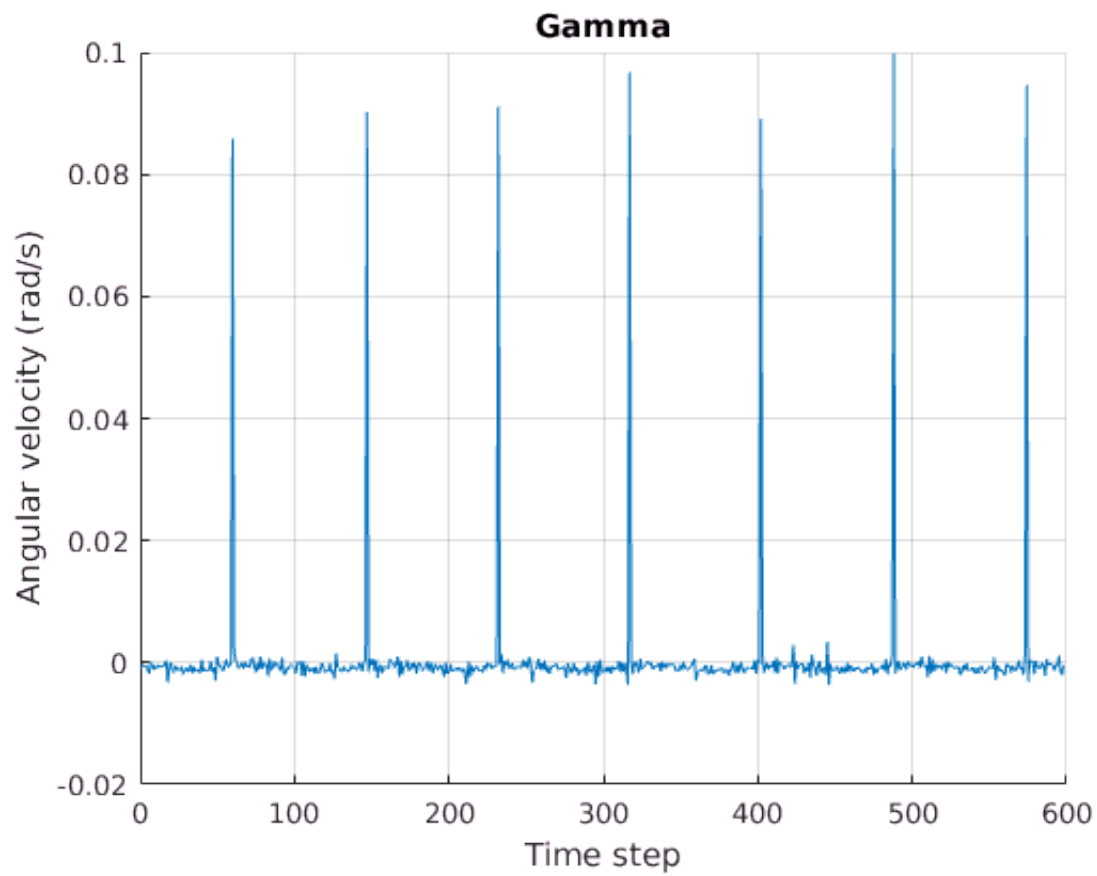


```
data1 = analyzeMotionLog('./logs1/right.log');
```

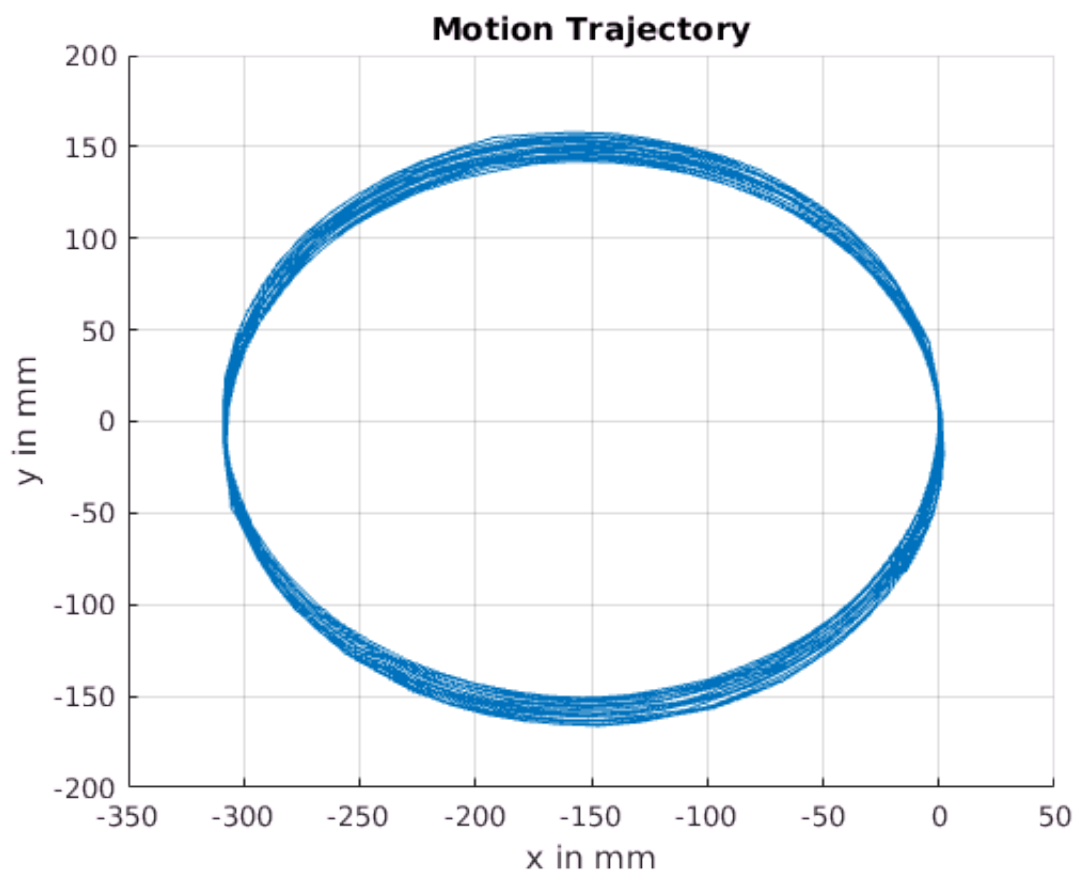


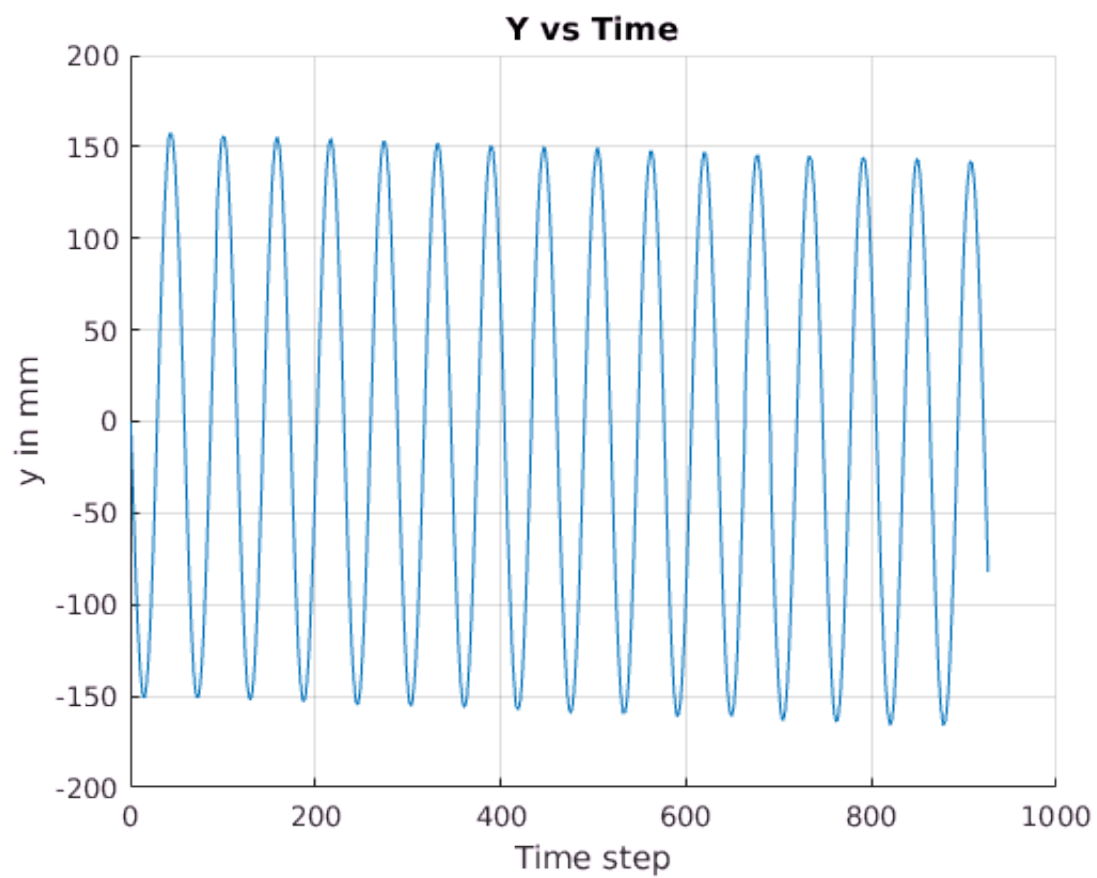
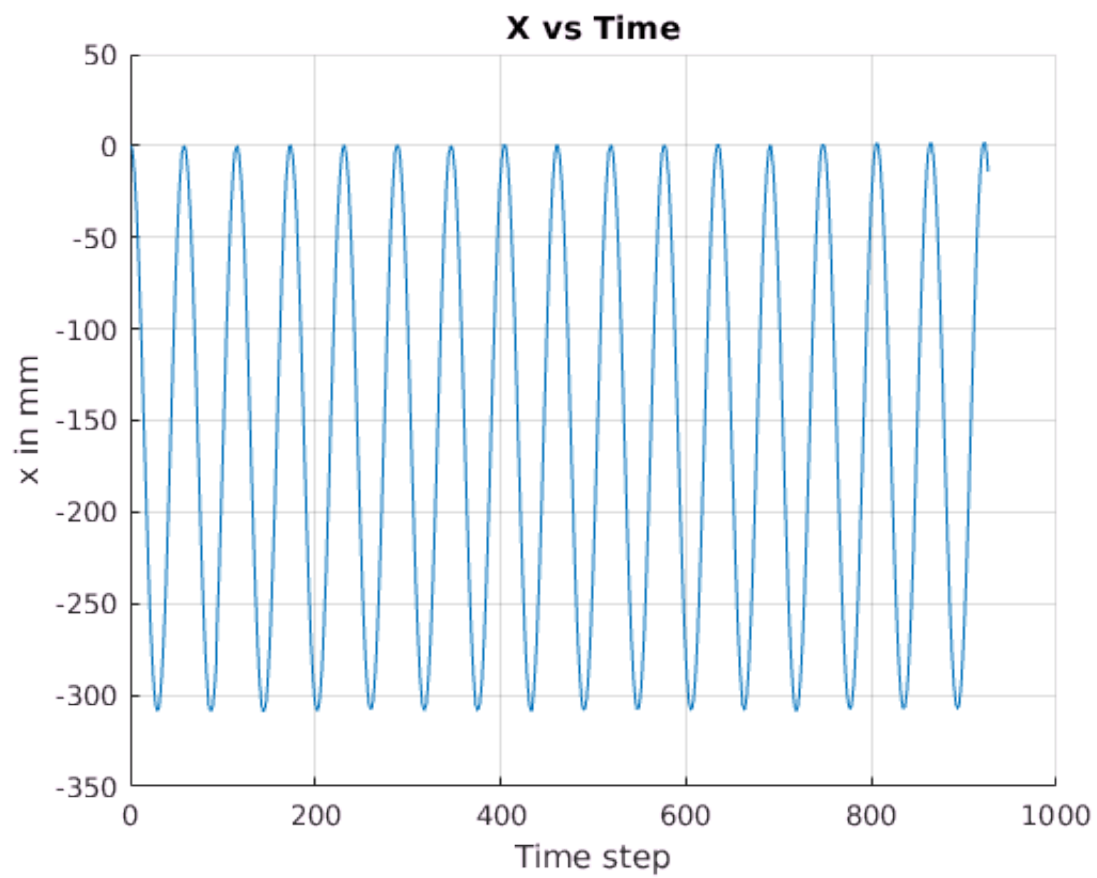


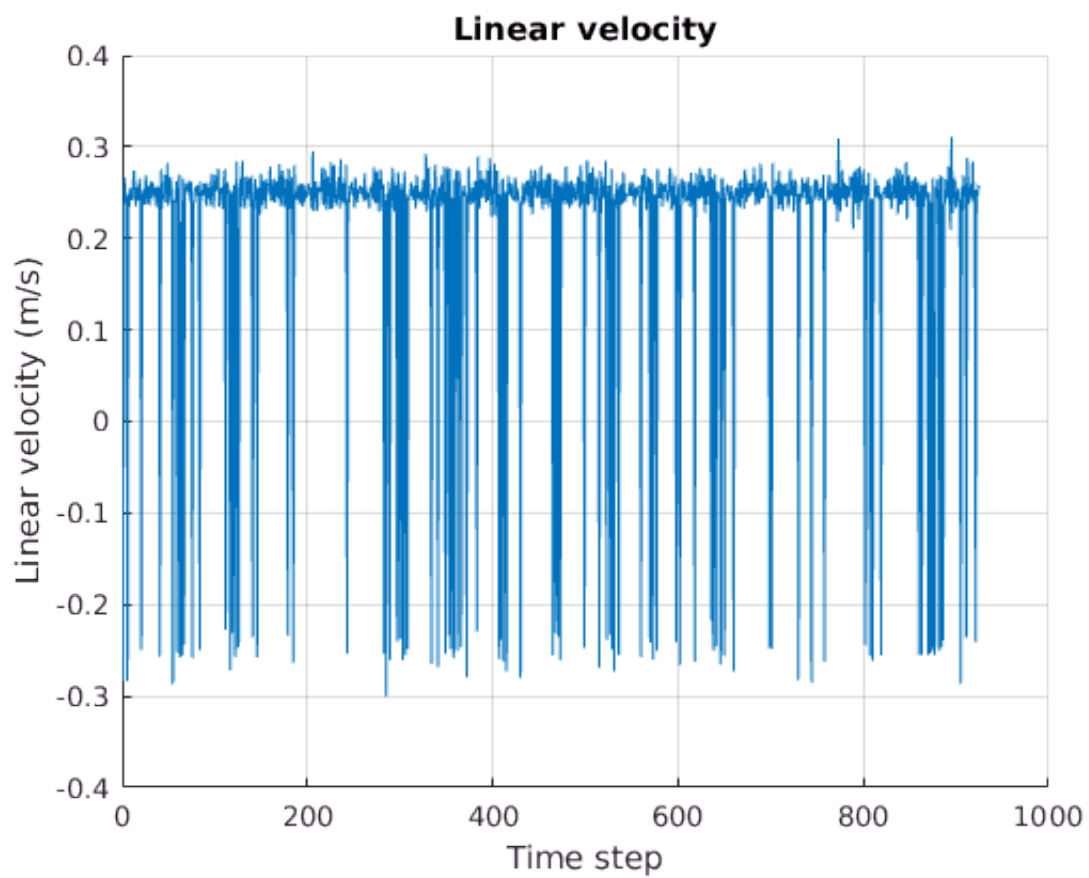
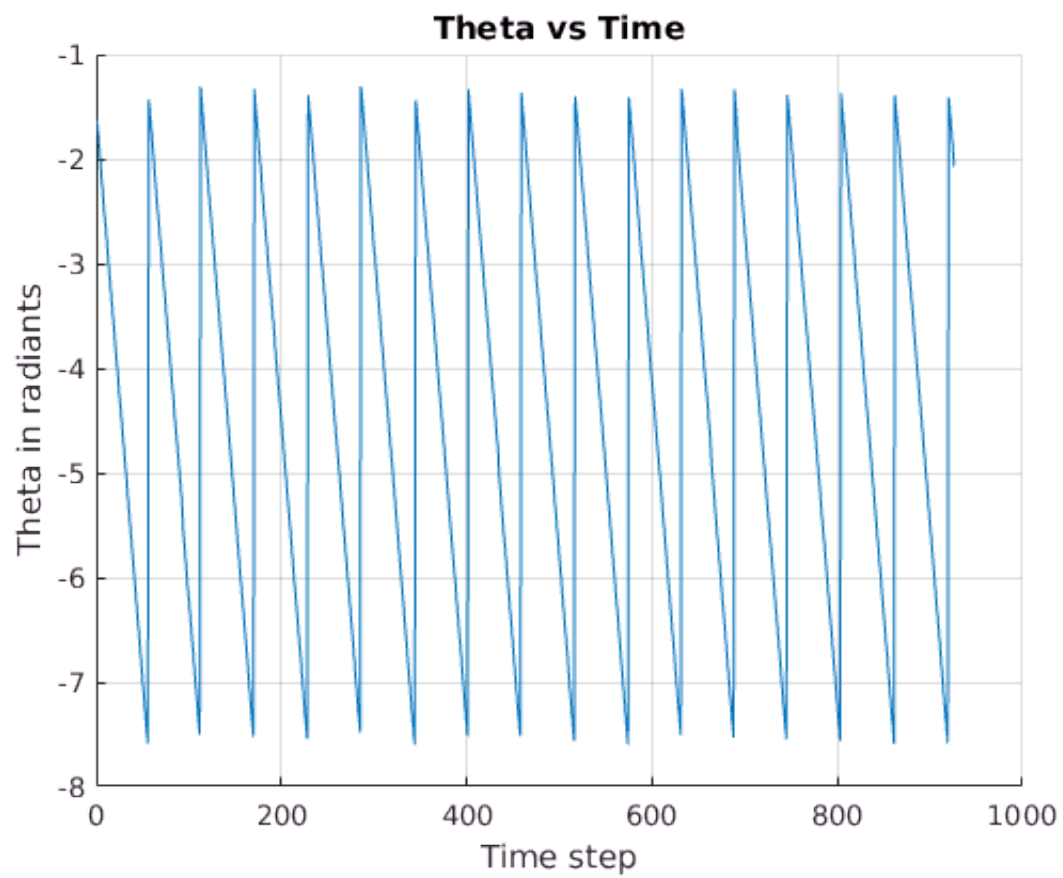


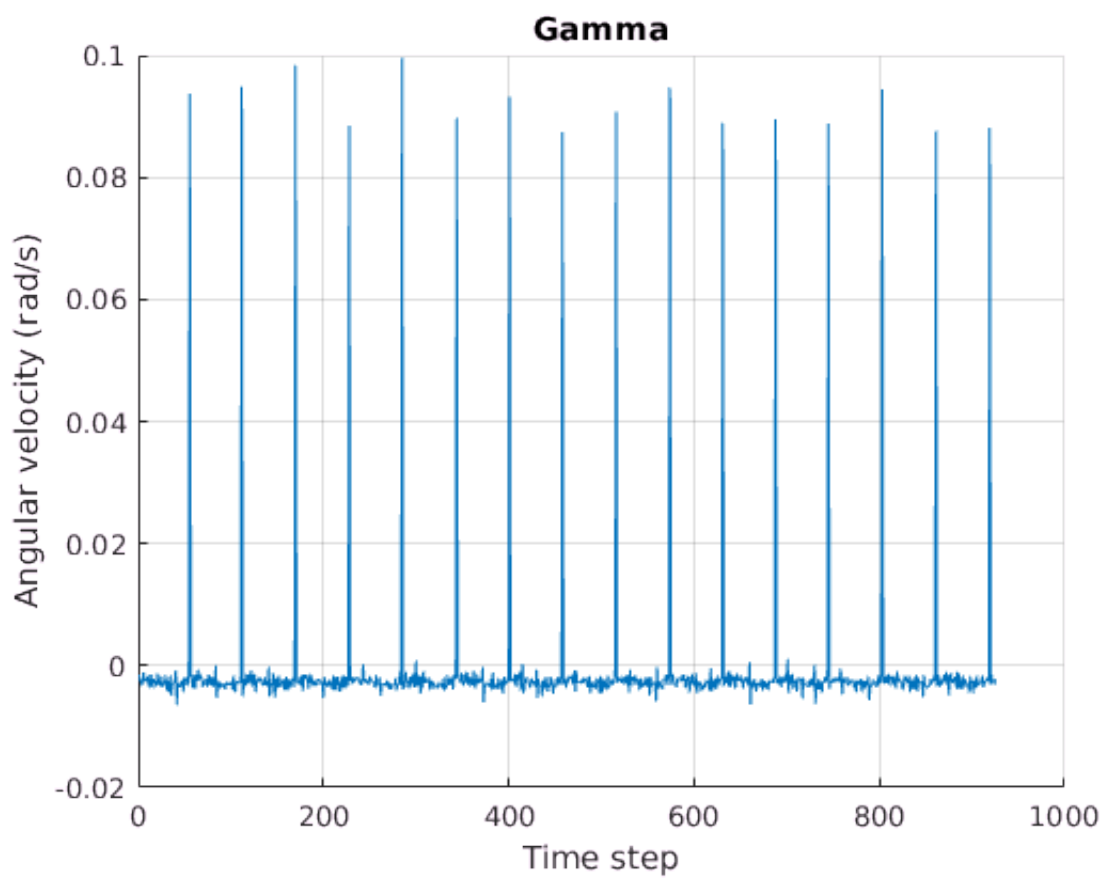
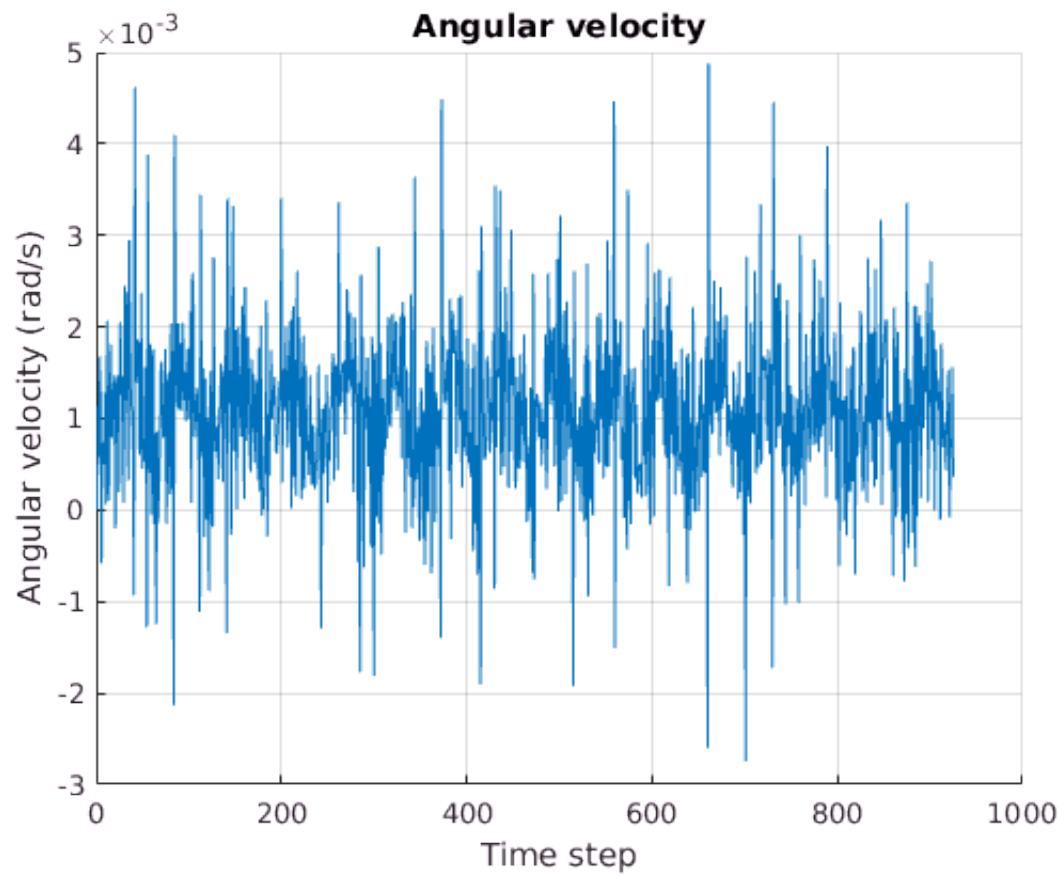


```
data2 = analyzeMotionLog('./logs2/right.log');
```

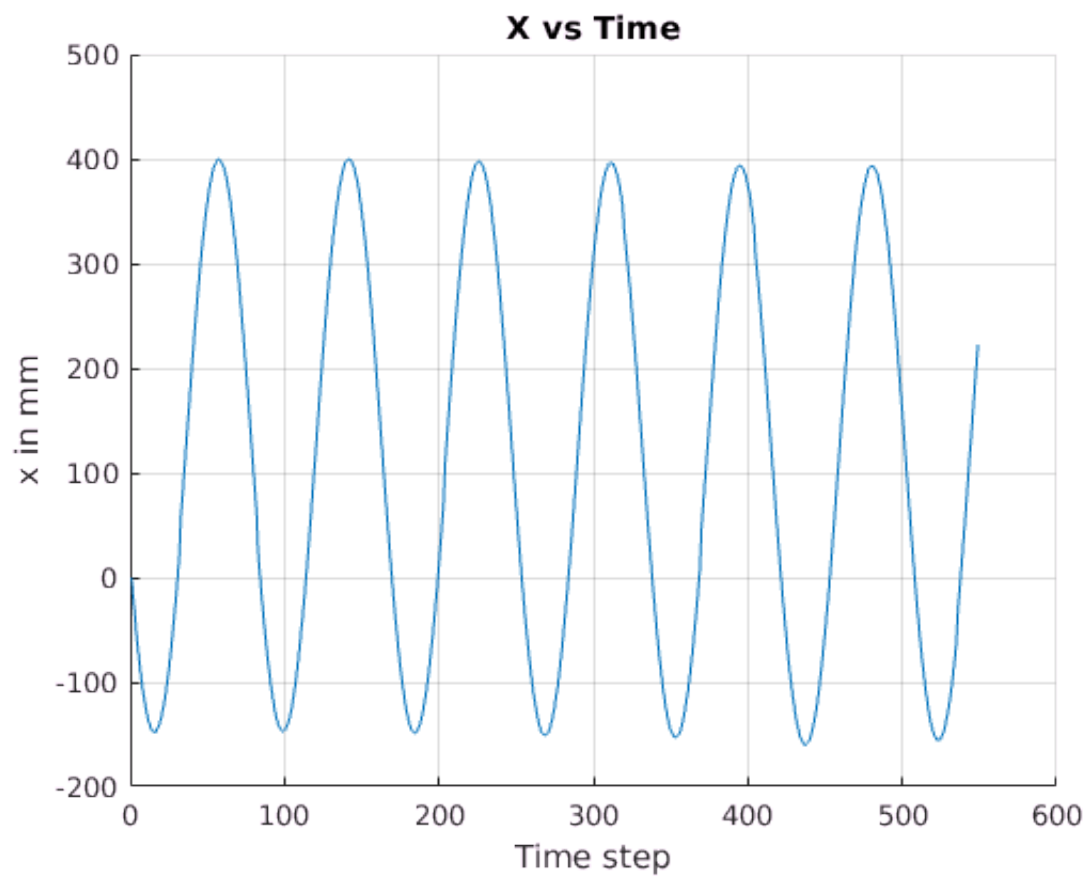
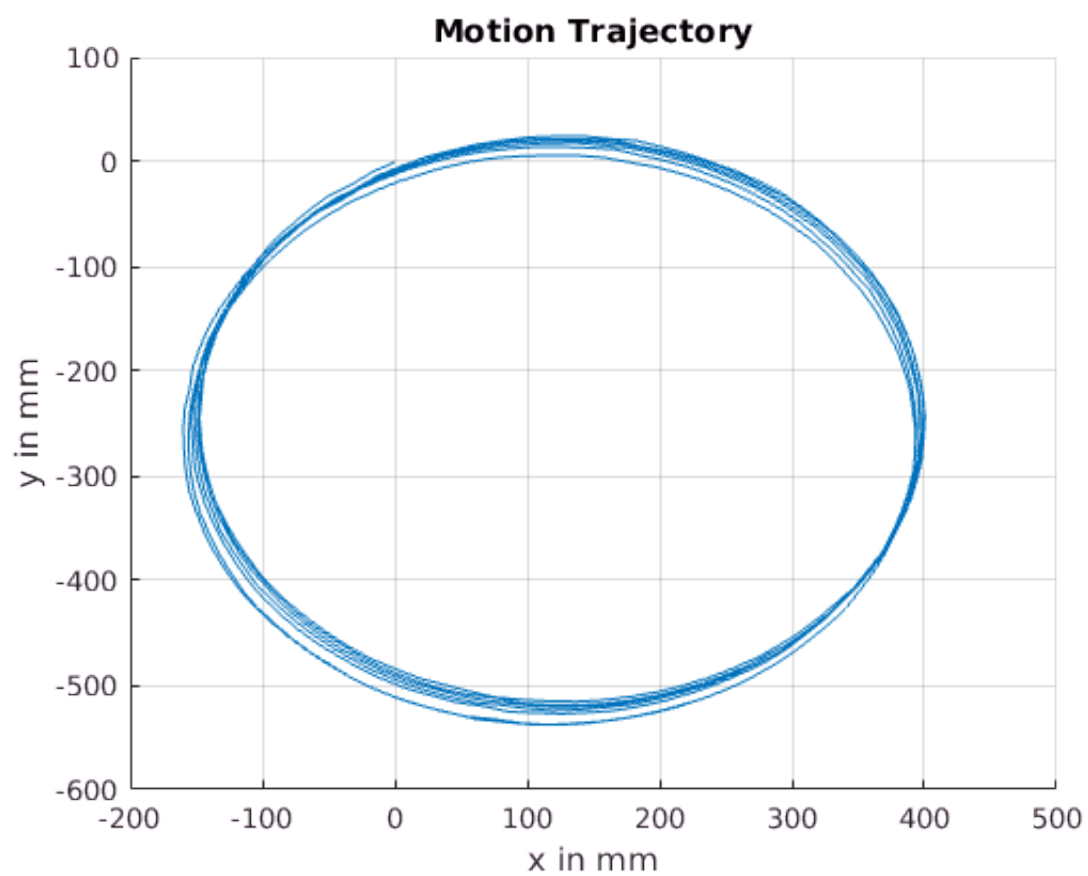


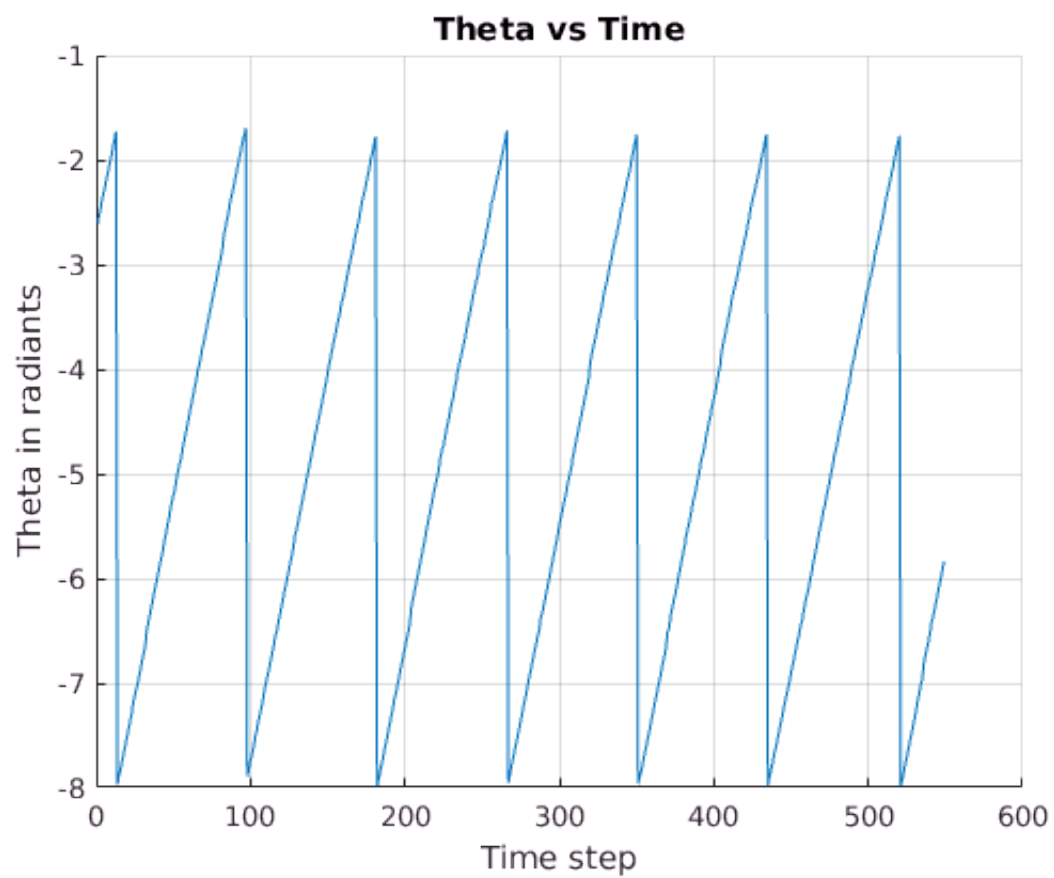
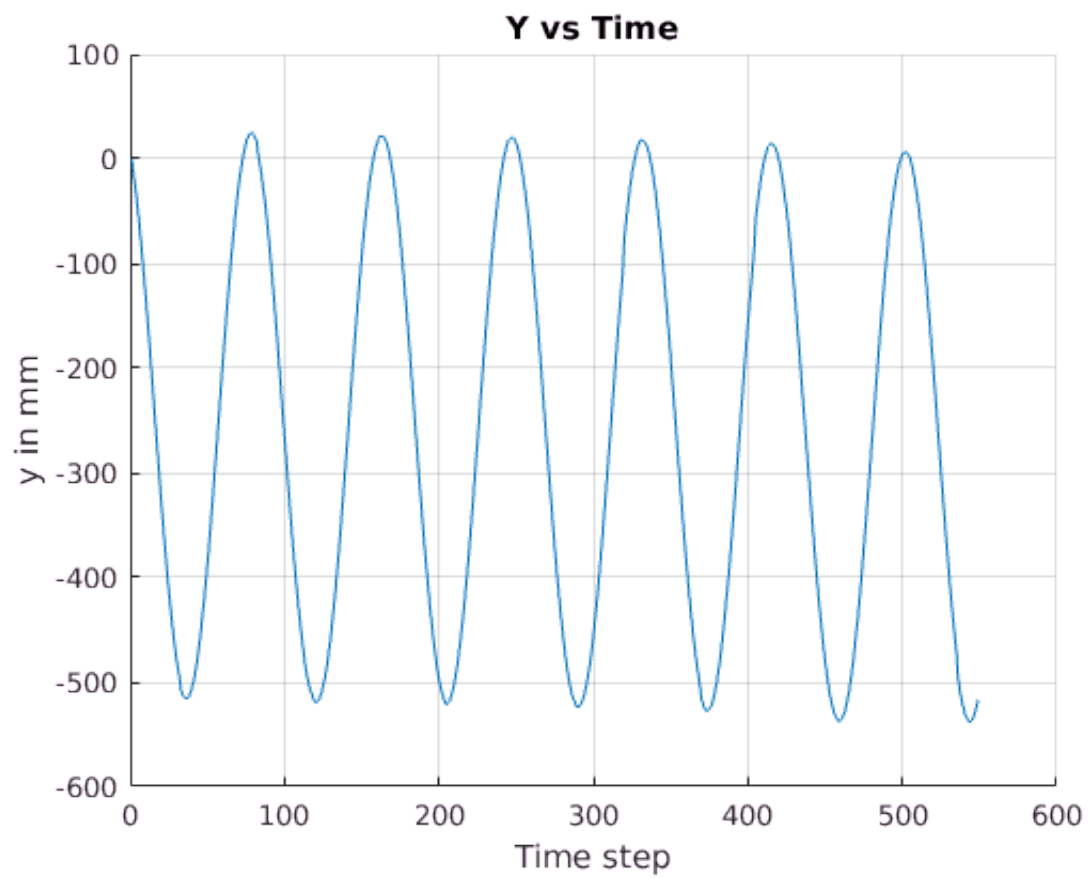


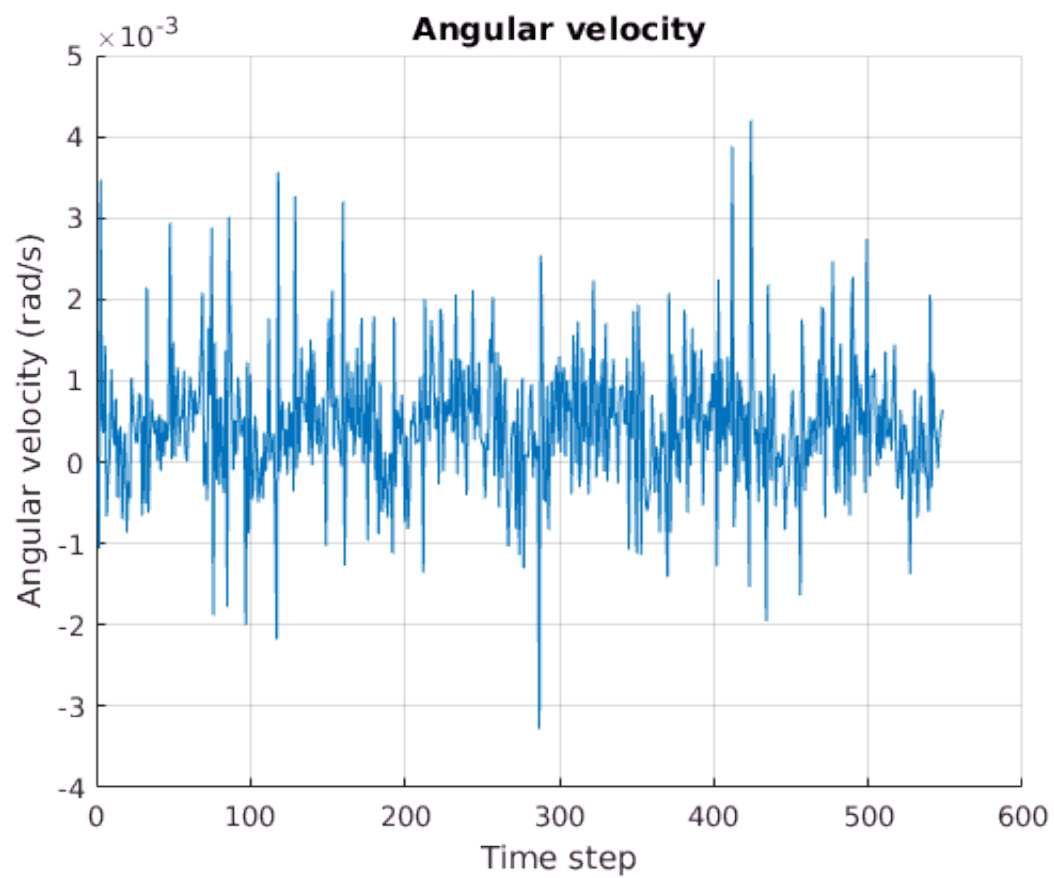
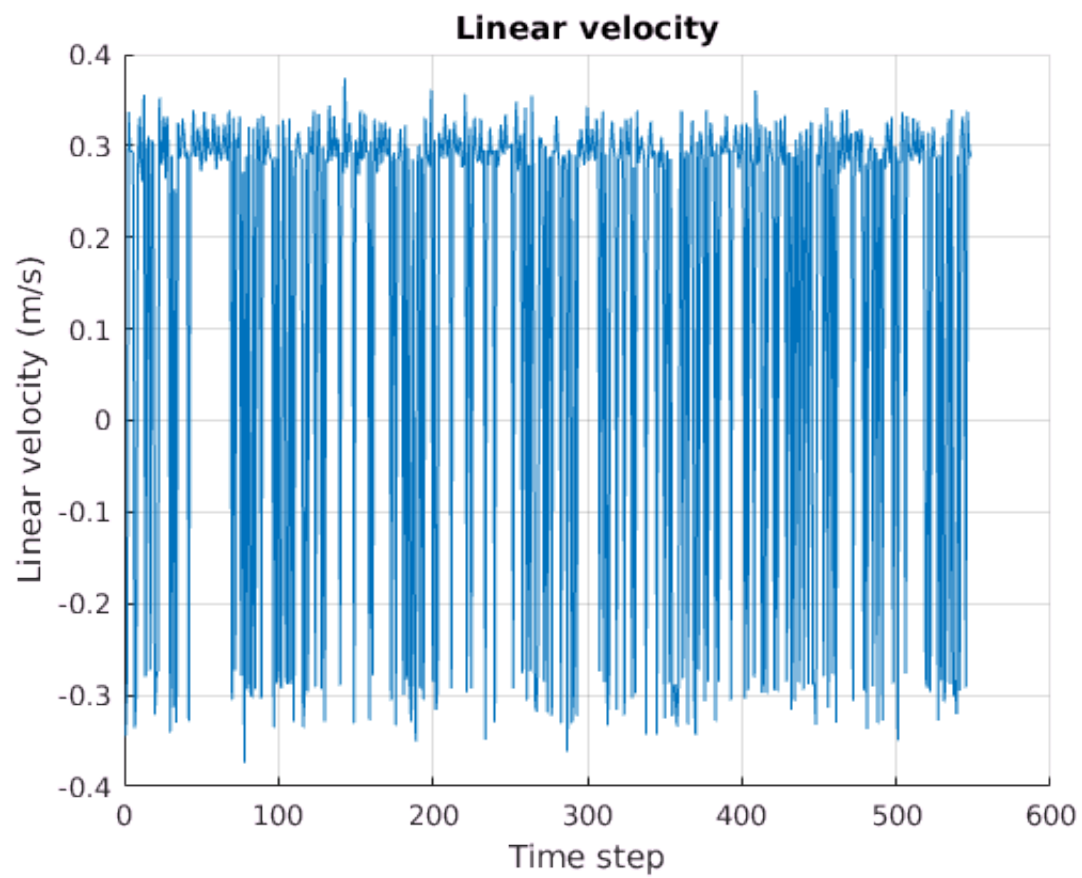


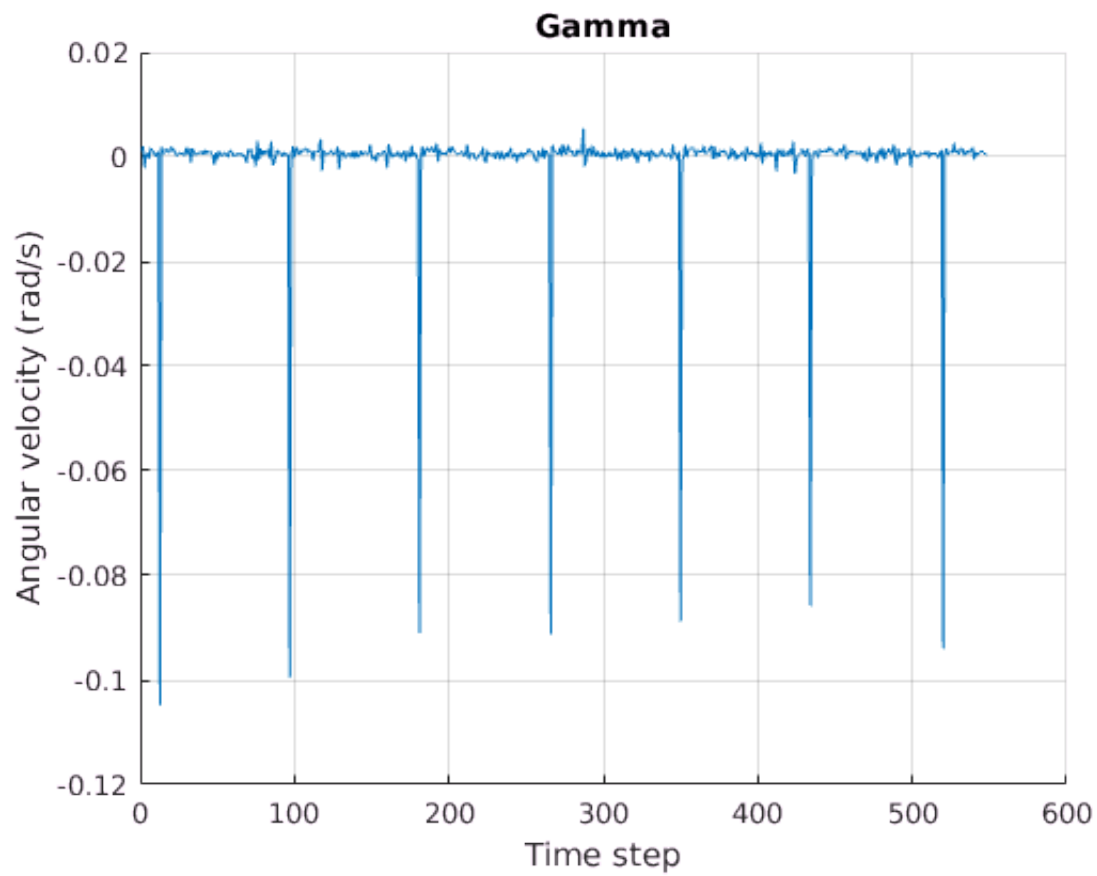


```
data3 = analyzeMotionLog('./logs1/left.log');
```

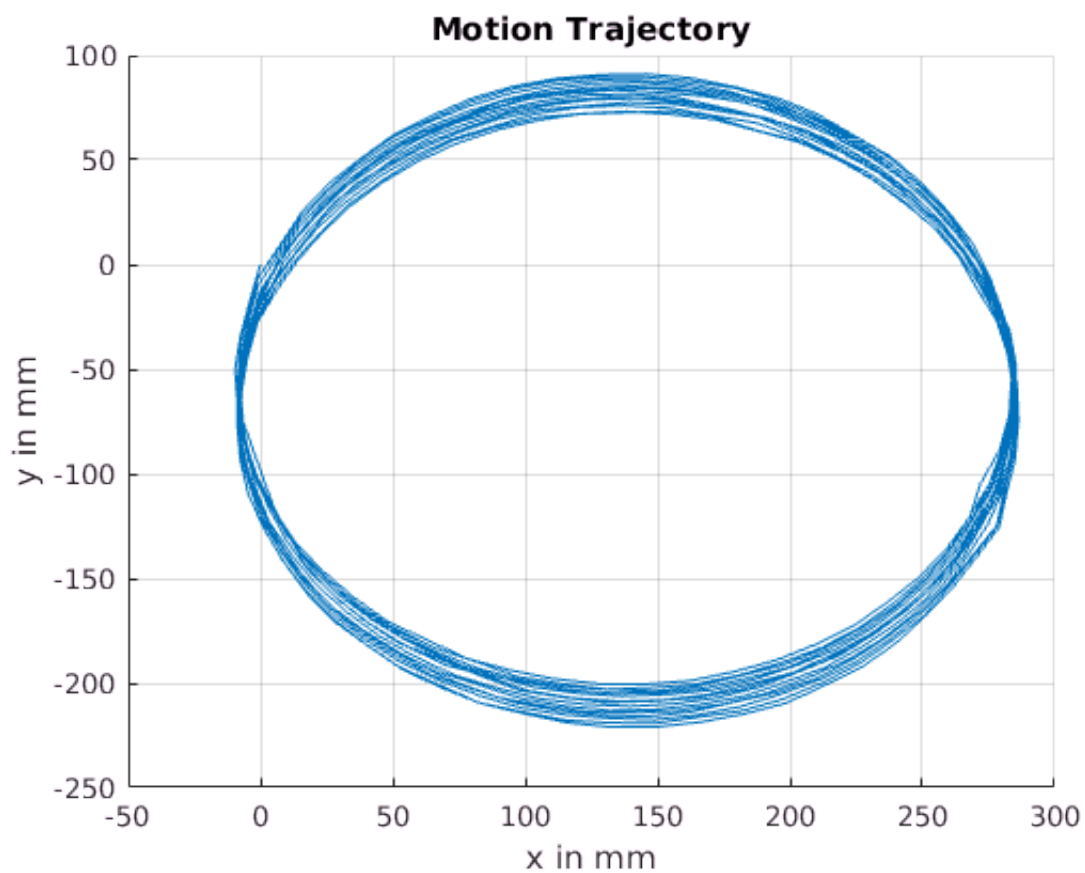


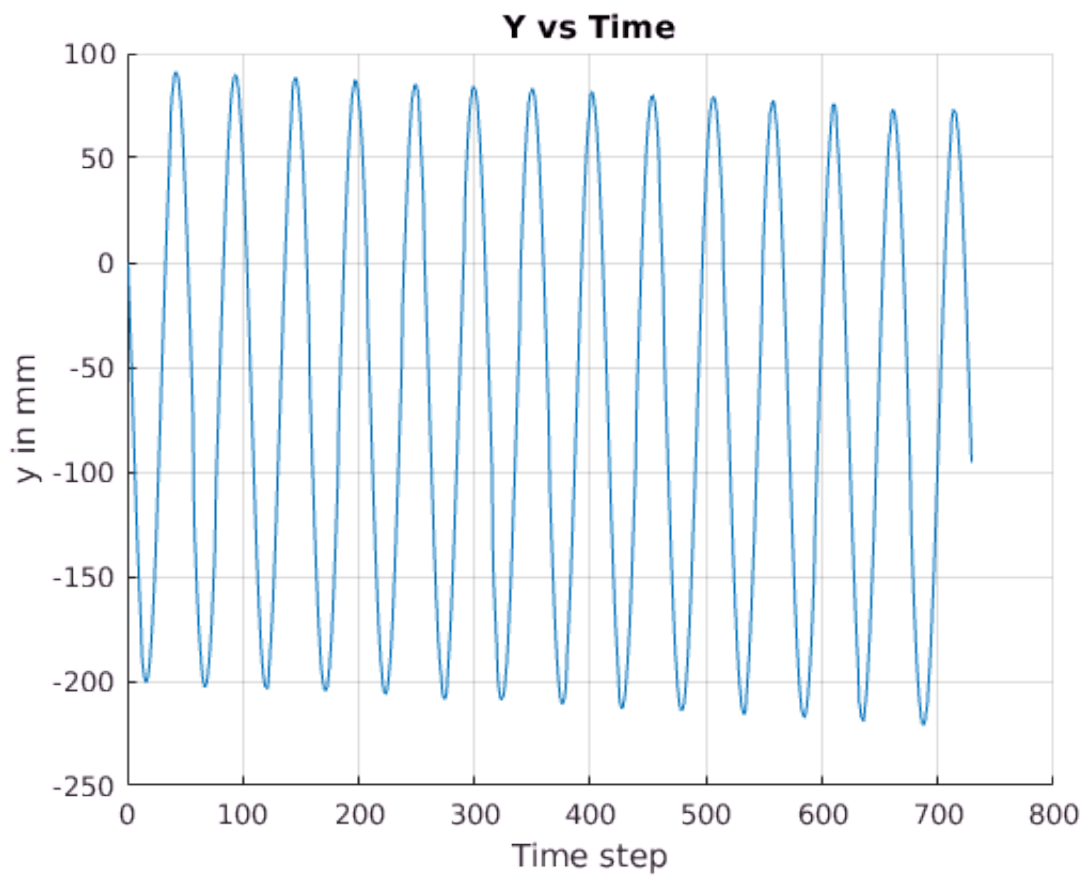
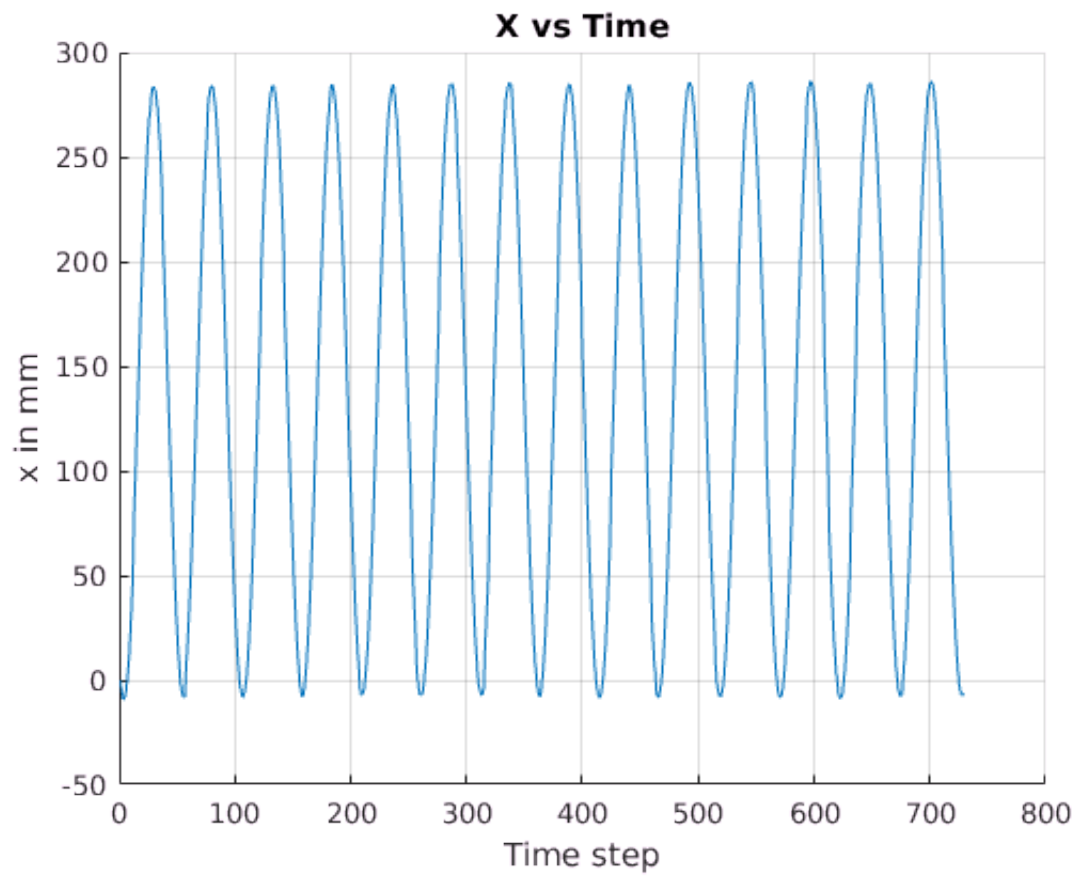


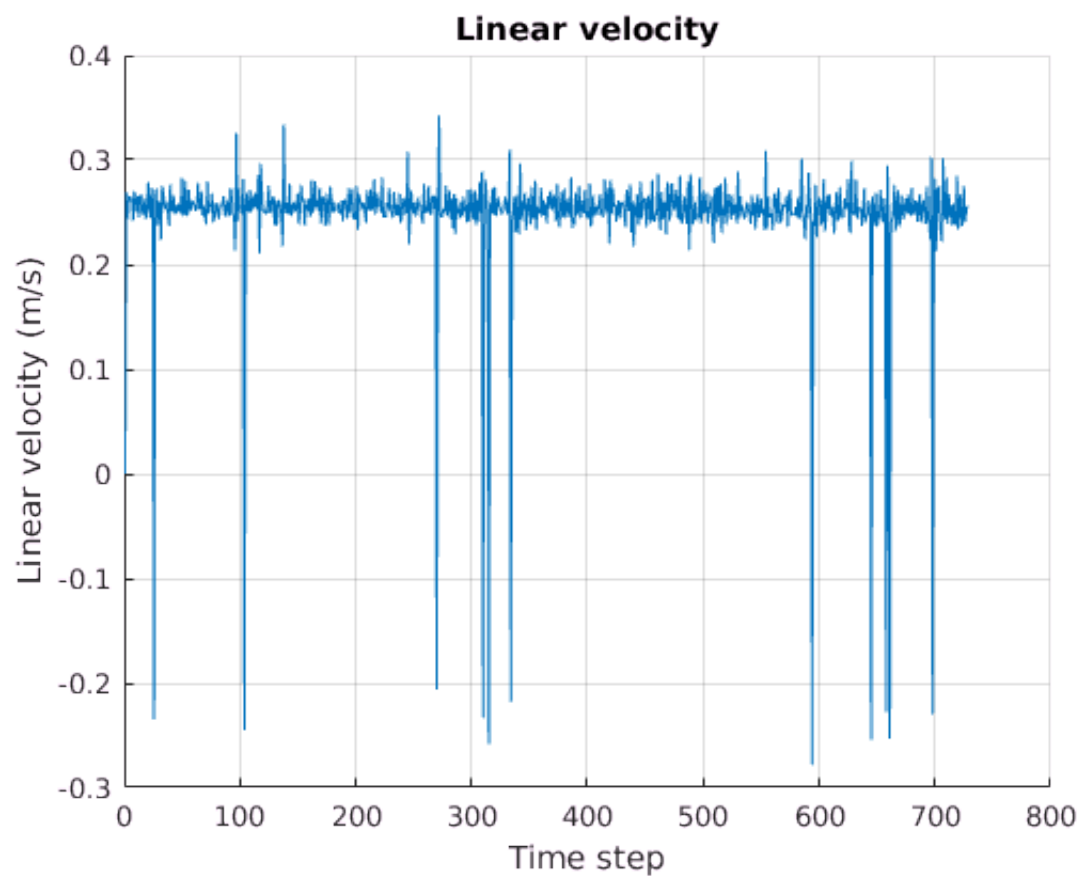
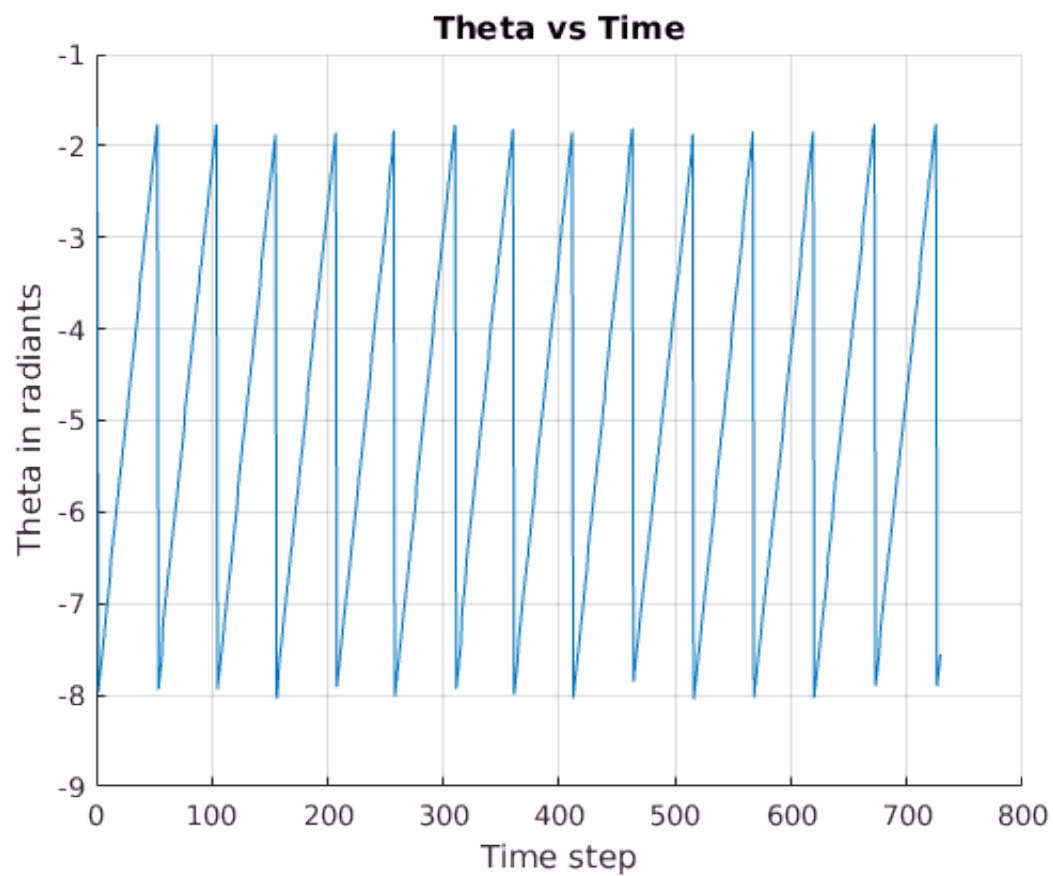


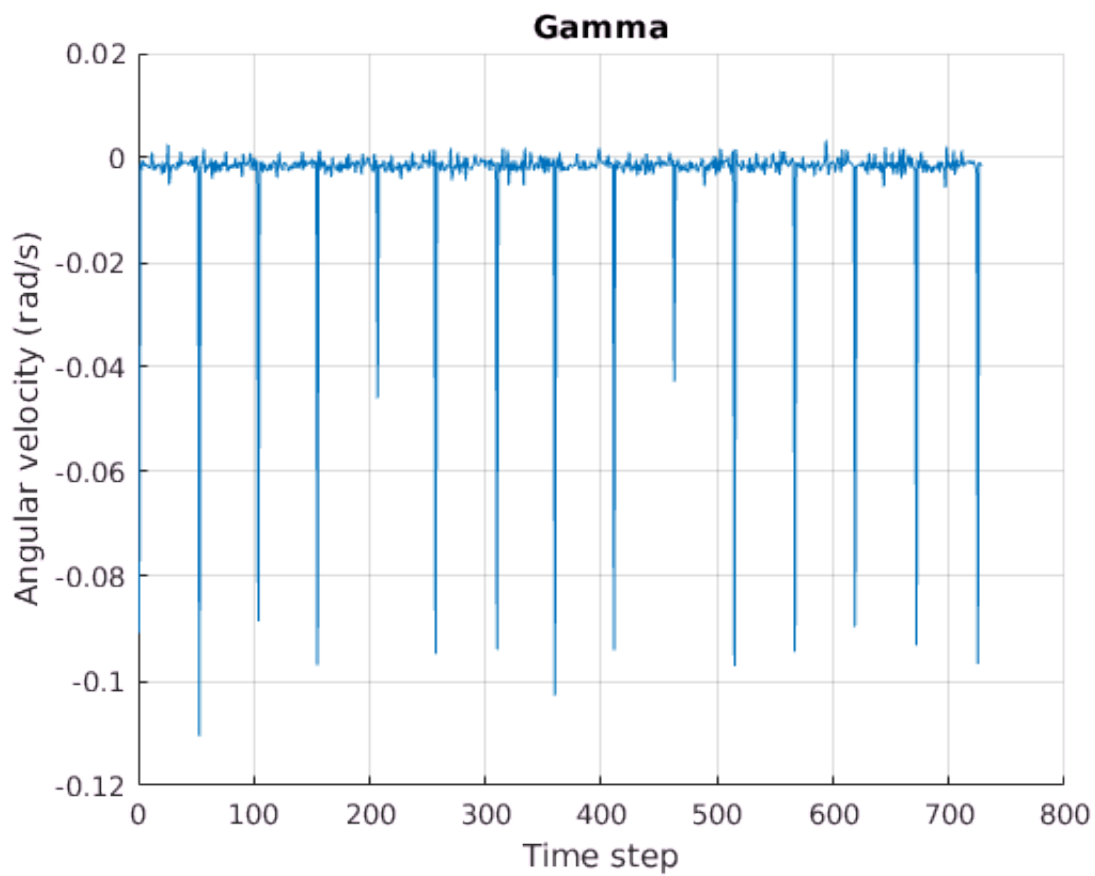
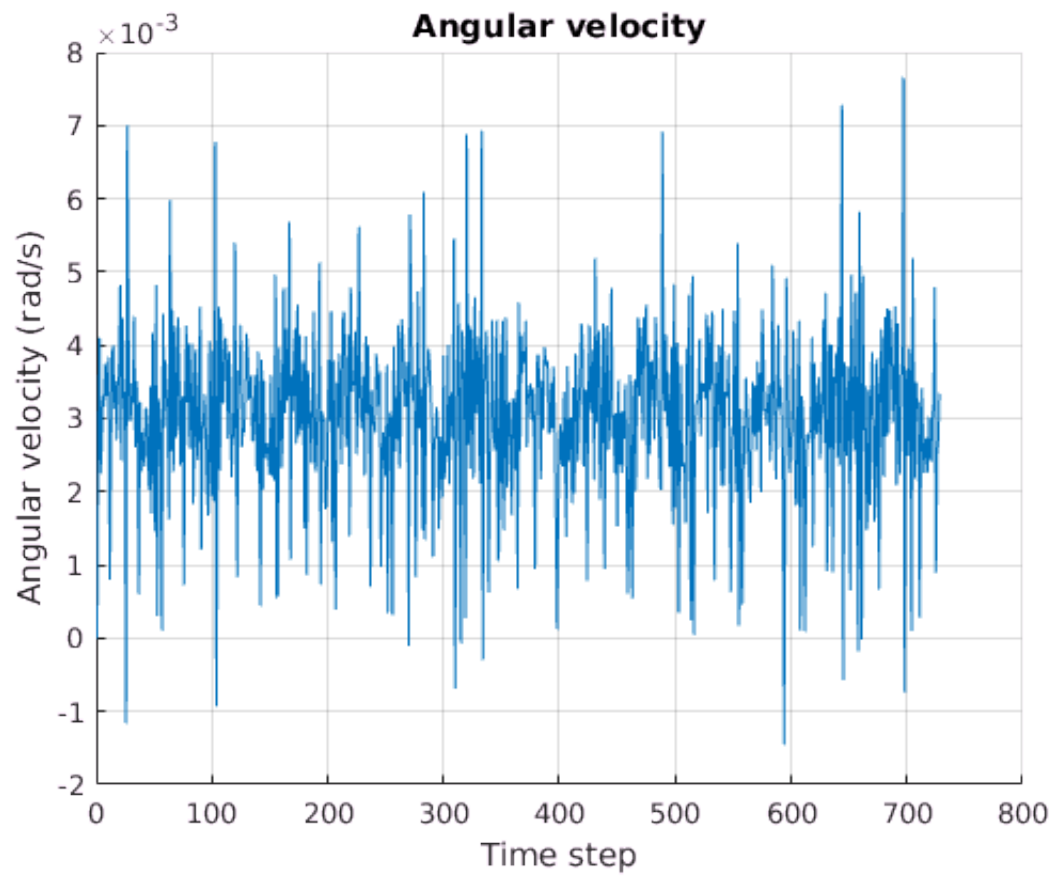


```
data4 = analyzeMotionLog('./logs2/left.log');
```









```
%A.ALPHA = SIGMA
Ar = abs([data1.v data1.omega 0 0 0 0];
```

```

    0 0 data1.v data1.omega 0 0;
    0 0 0 0 data1.v data1.omega;
    data2.v data2.omega 0 0 0 0;
    0 0 data2.v data2.omega 0 0;
    0 0 0 0 data2.v data2.omega]);
SIGMAR = [data1.sigma1; data1.sigma2; data1.sigma3; data2.sigma1; data2.sigma2; data2.sigma3];
ALPHAR = inv(Ar)*SIGMAR;

Al = abs([data3.v data3.omega 0 0 0 0;
    0 0 data3.v data3.omega 0 0;
    0 0 0 0 data3.v data3.omega;
    data4.v data4.omega 0 0 0 0;
    0 0 data4.v data4.omega 0 0;
    0 0 0 0 data4.v data4.omega]);
SIGMAL = [data3.sigma1; data3.sigma2; data3.sigma3; data4.sigma1; data4.sigma2; data4.sigma3];
ALPHAL = pinv(Al)*SIGMAR;

A = vertcat(Ar,Al);
SIGMA = vertcat(SIGMAR, SIGMAL);
ALPHA = pinv(A)*SIGMA;
display(ALPHA);

```

ALPHA = 6x1 double

```

    2.1242
-158.9048
    0.0063
   -0.1271
    0.0854
   -2.8532

```