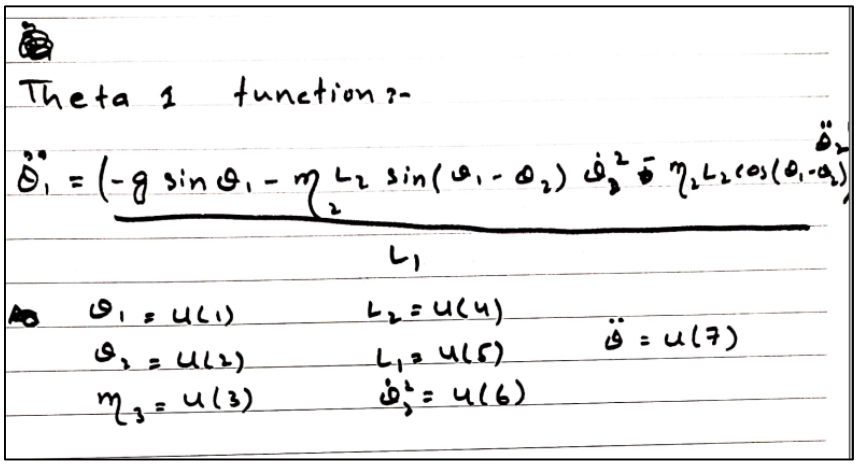
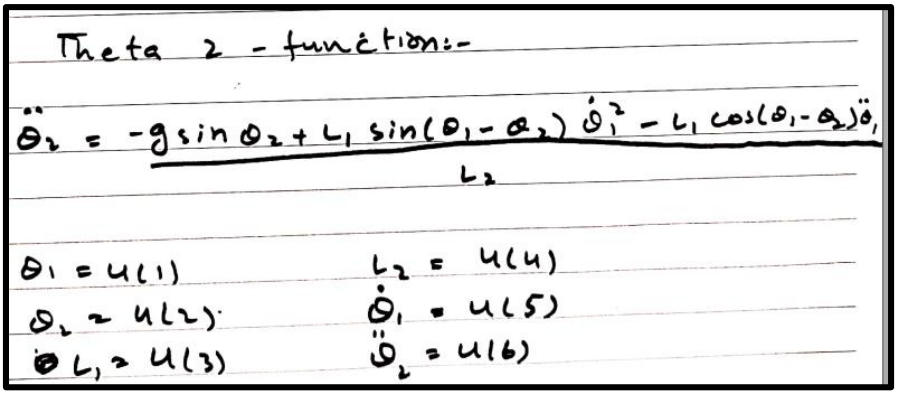
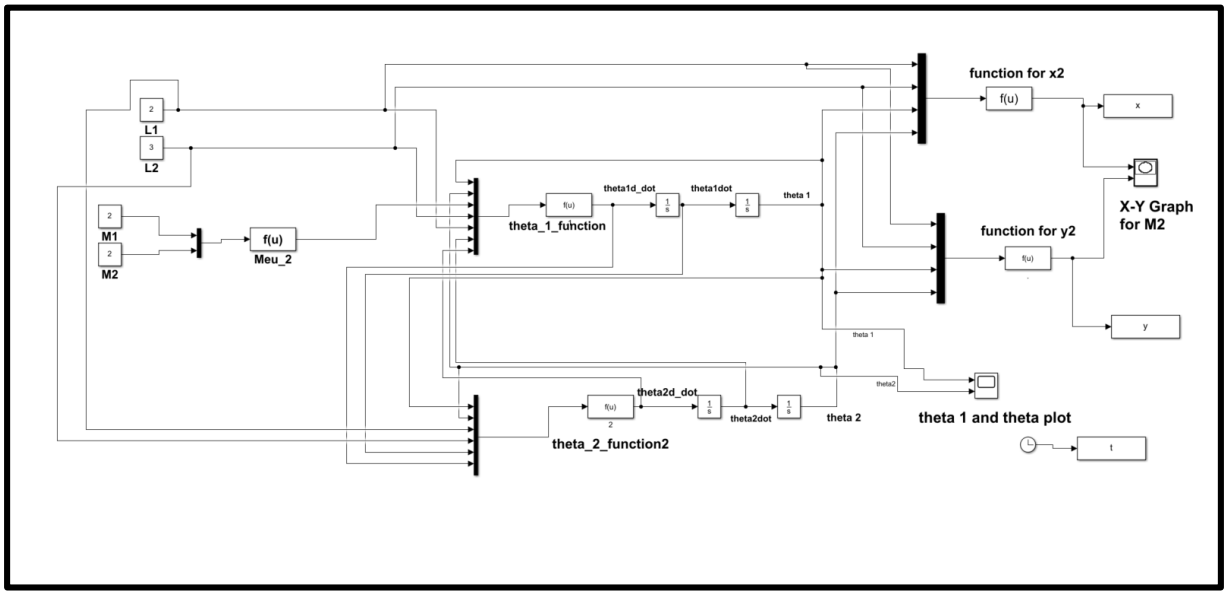
Part-1



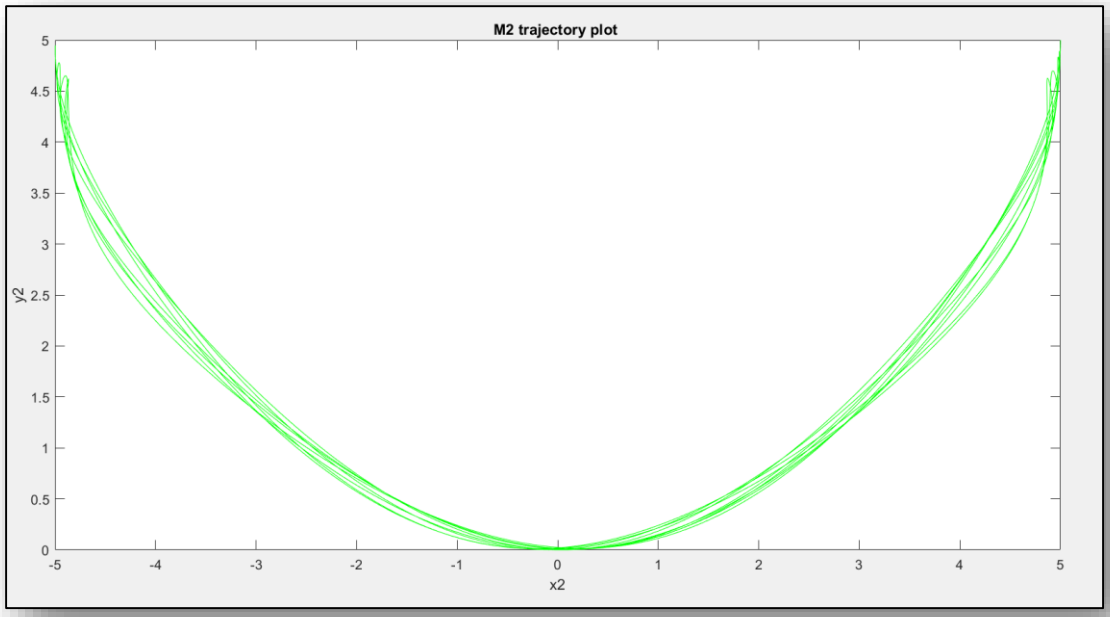
θ_1 function



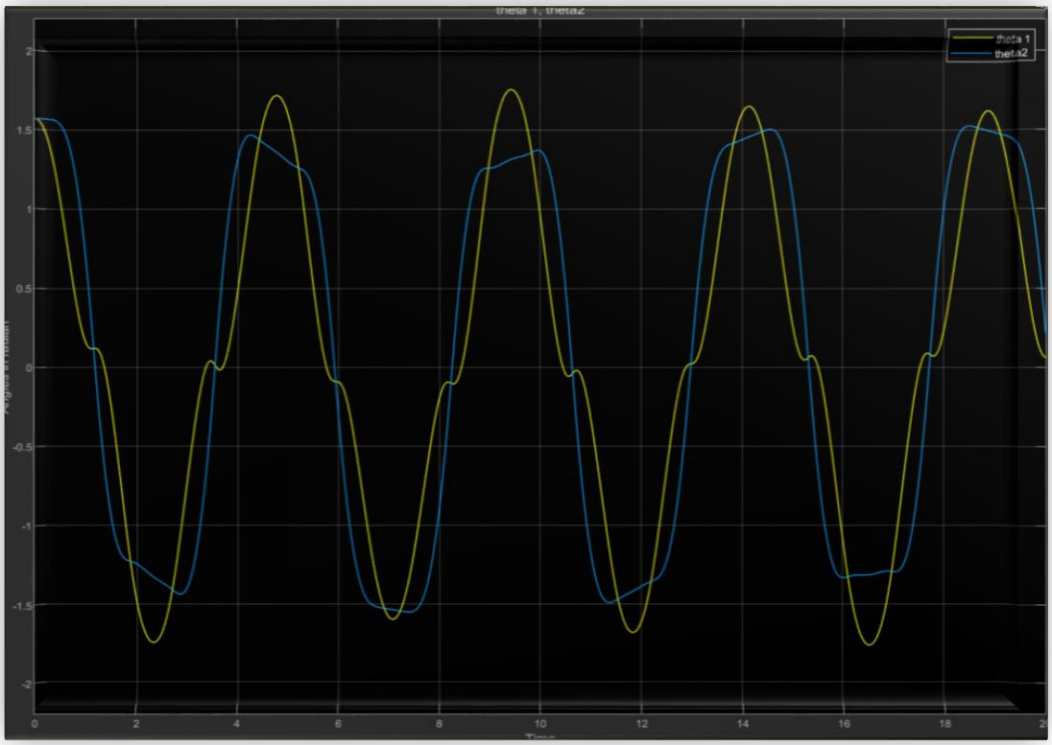
θ_2 function



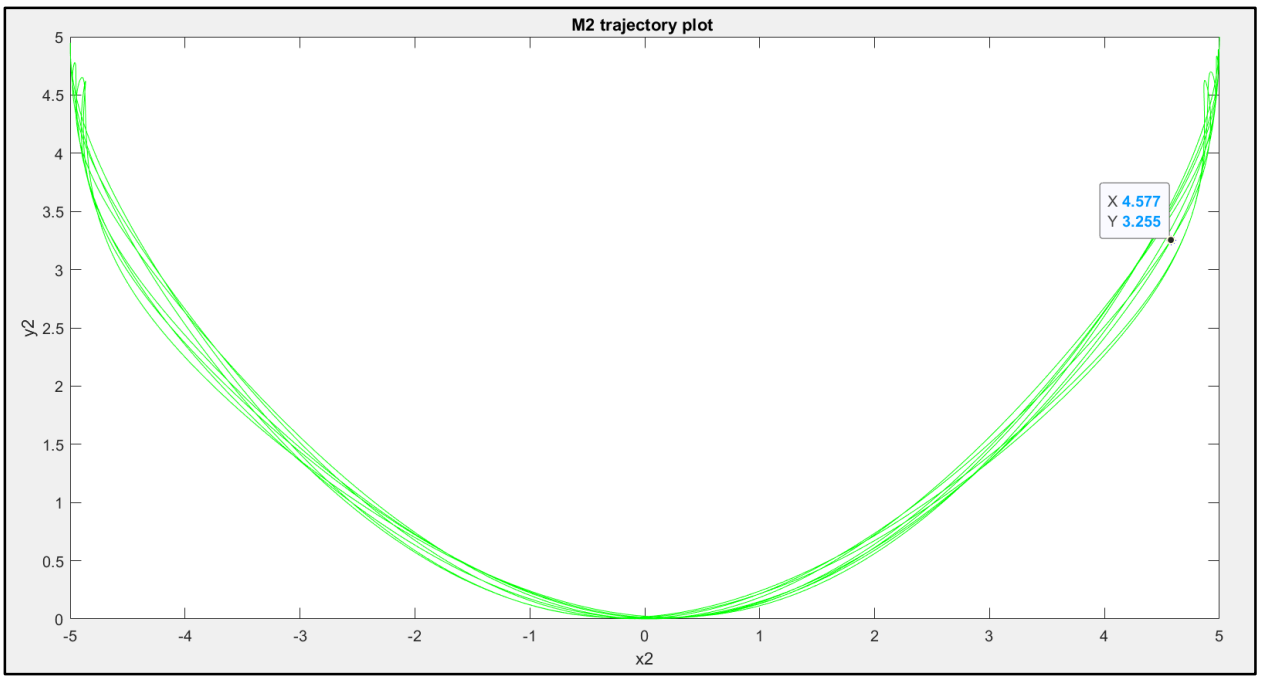
Simulink design



Show m2 trajectory plot (X2,Y2) with time



θ_1 *and* θ_2 plots with time on one figure

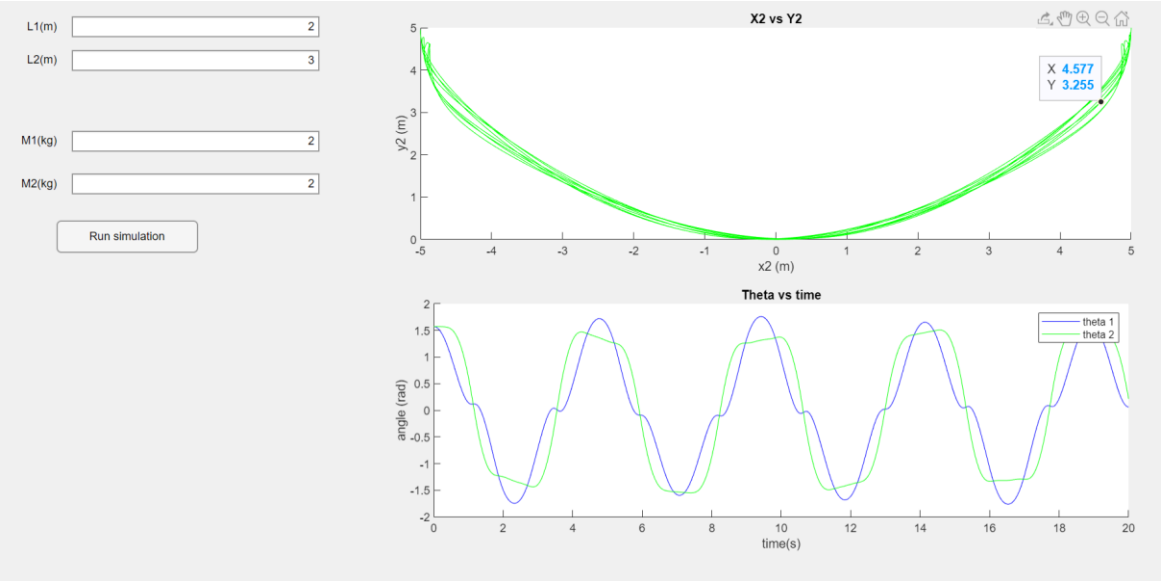


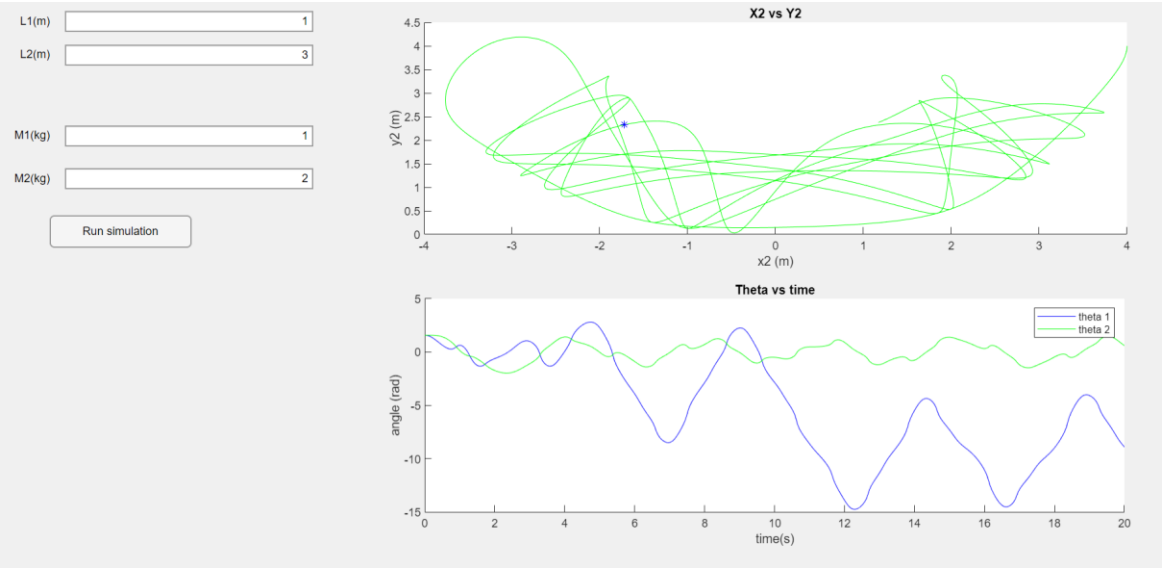
display m2 location (X2,Y2) after 10 seconds

Read me:

1. Go to part 1 and open **model_part1** and **code_for_point_t_10**
2. Run **model_part1**
3. Get plot of trajectory of M2 from **XY graph for M2** in Simulink model
4. Get plot of θ_1 and θ_2 from **theta 1 and theta2 plot** in Simulink model
5. Run **code_for_point_t_10** to get the position of M2 after 10 sec

Part-2





Here is the app for trajectory of second mass.

The **star** show the position of **M2** after 10 second **x2 vs y2 plot**.

Read me:

1. Go to part2 and open **app1.mlapp**
2. Run **app1.mlapp**
3. Enter the value of l1, l2 m1 and m2
4. Run simulation