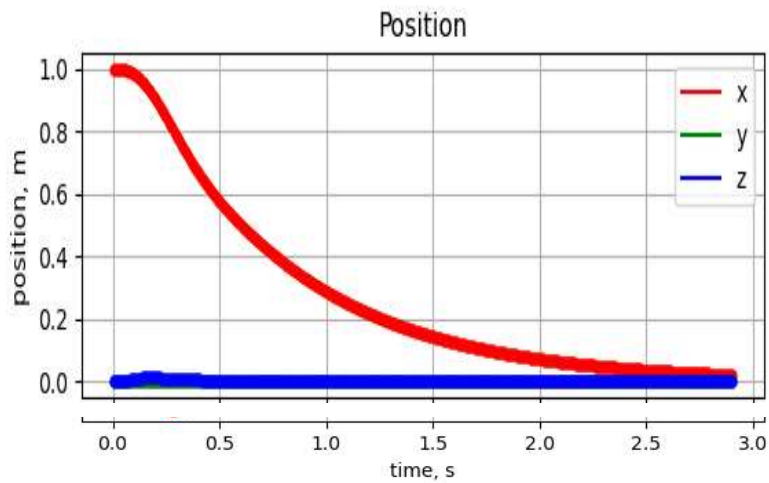


Based on the step response plot, the approximate damping ratio is about 1.5-2 as the settling time from a unit step response in the x direction takes about 3 seconds



As the orientation perturbation in roll angle exhibits mildly underdamped behavior, the approximate damping ratio is between 0.75-1 with a settling time of about 0.8 seconds

