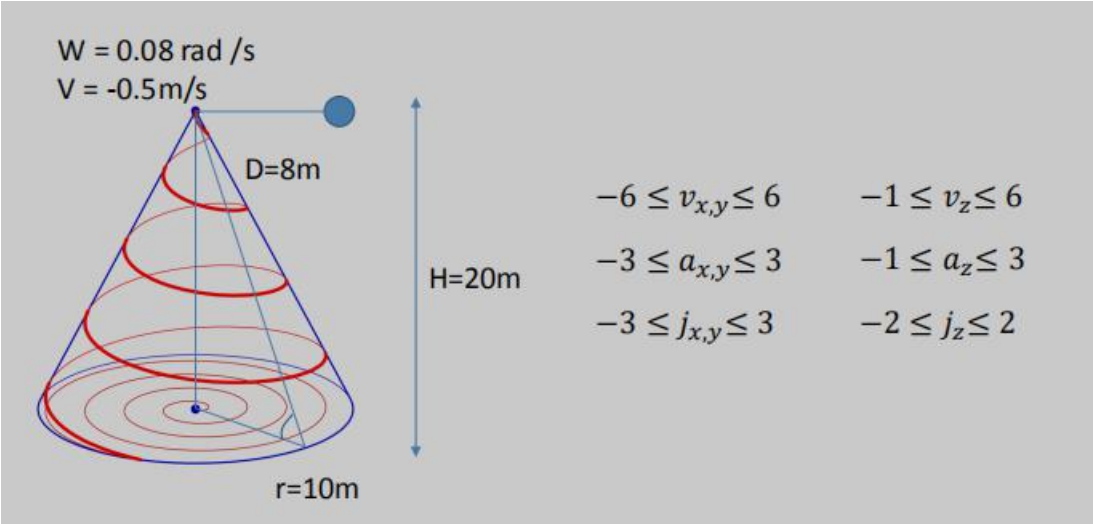
Intro

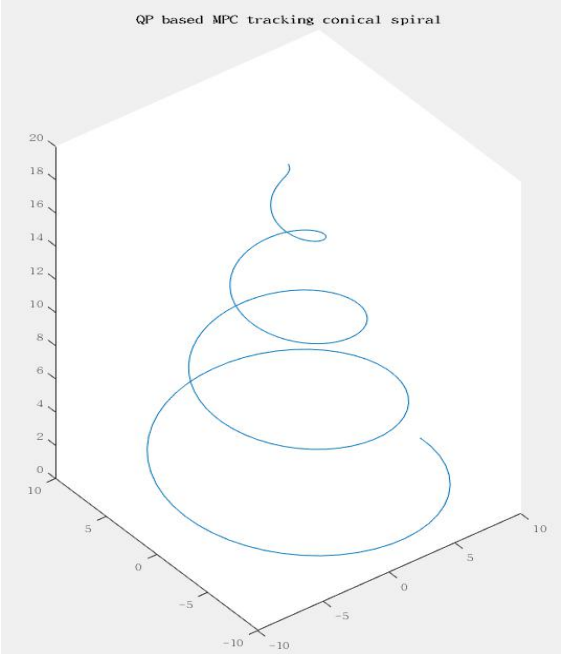
In this project, I implemented tube based and quadratic programming based linear MPC to track a conical spiral as a reference trajectory for a 3-axis triple integrator (basically a quadrotor model) in Matlab.

Initial Conditions and Constraints

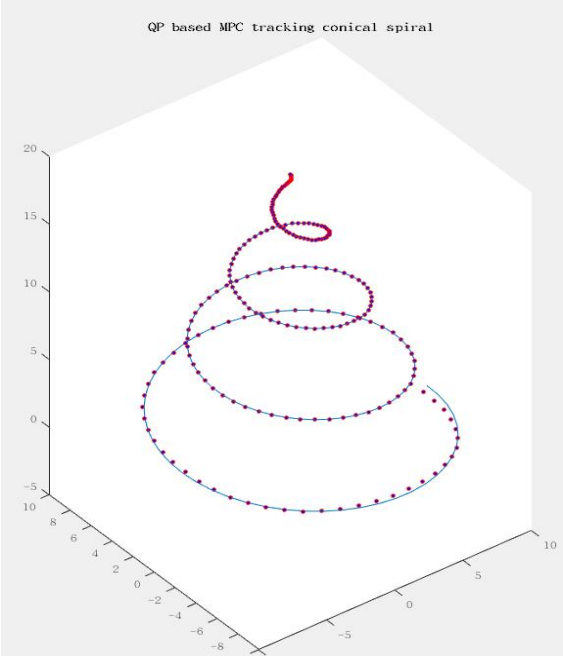
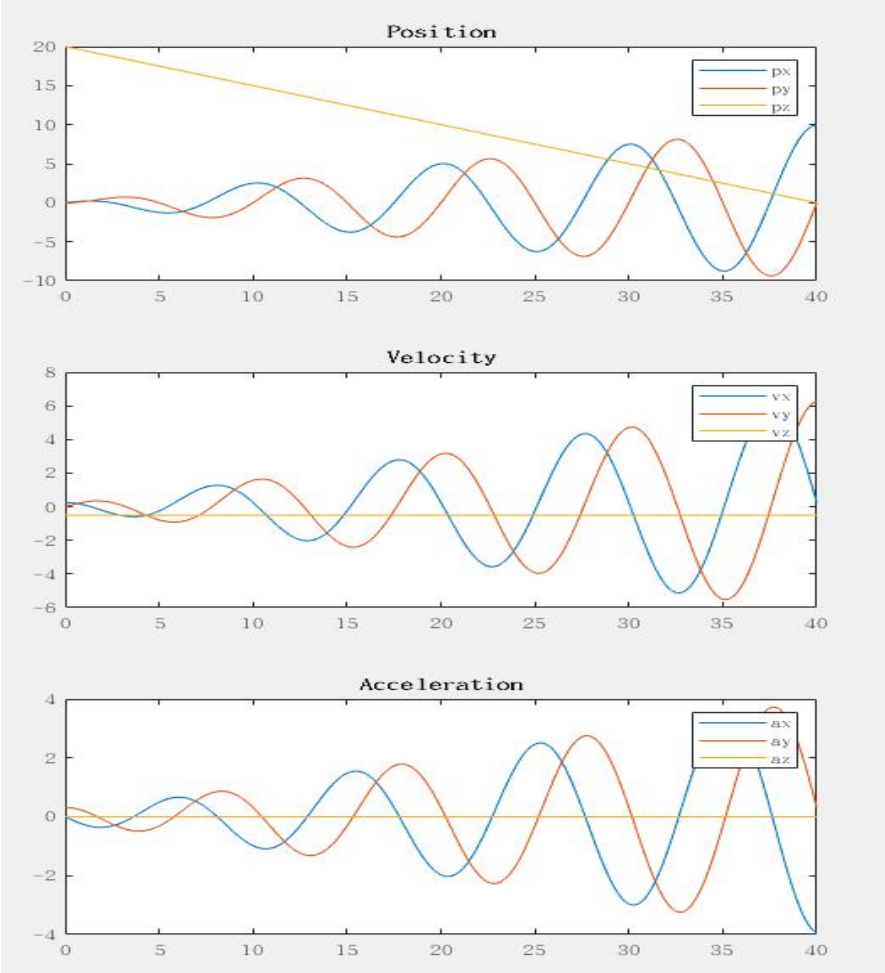


Result

- reference trajectory



- tracking



- scope of the integrator