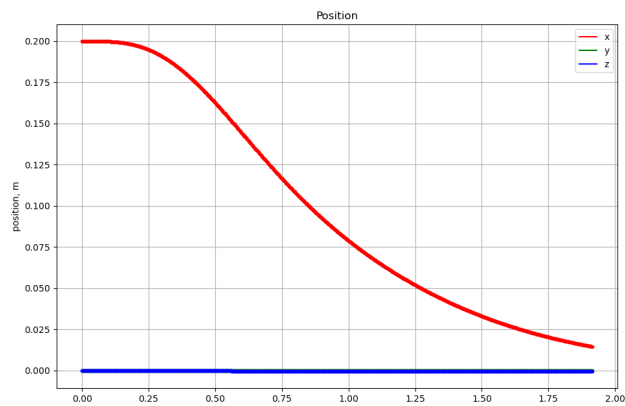


PID Control Response Plots - MEAM 6200, Project 1

Vaibhav Thakkar

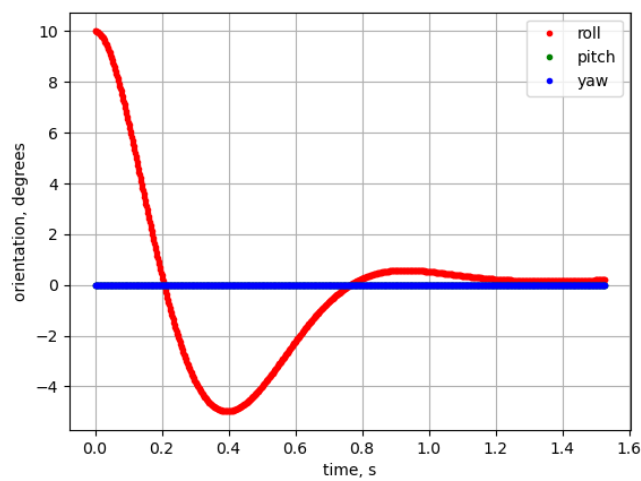
10th Feb 2025

Step response for position control - perturbed x-coordinate



Damping ratio (γ) = 1.2
Settling time = 1.8 seconds

Step response for orientation control - perturbed roll angle



Damping ratio (γ) = 0.3
Settling time = 1.25 seconds