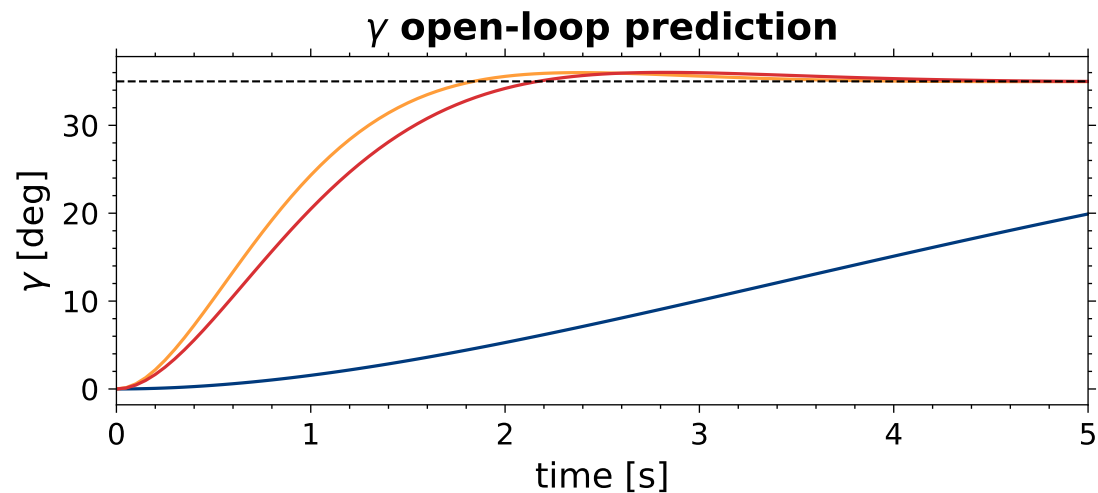
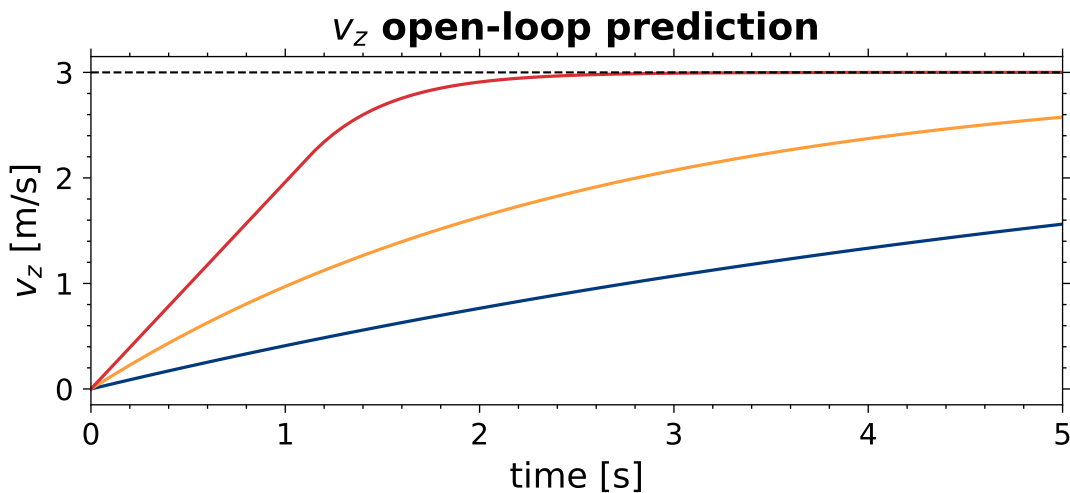
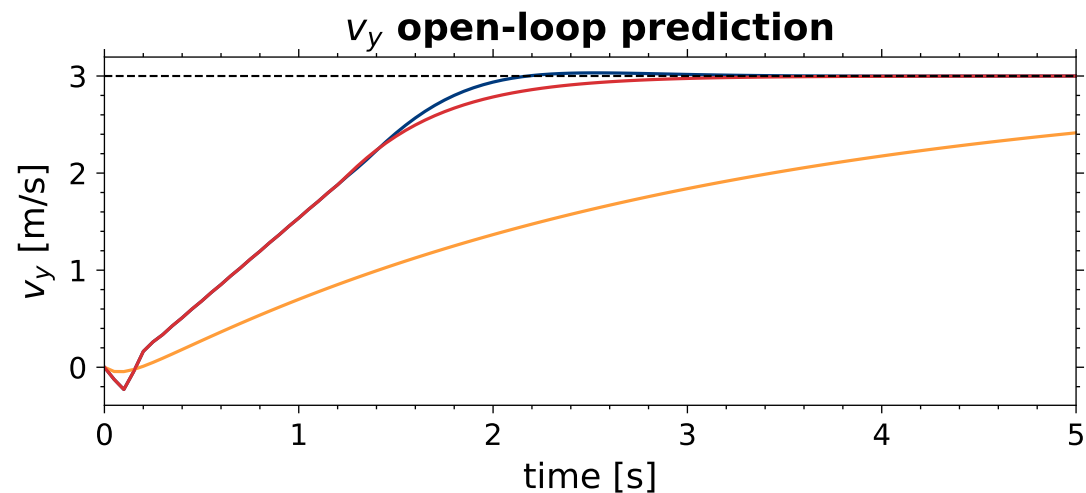
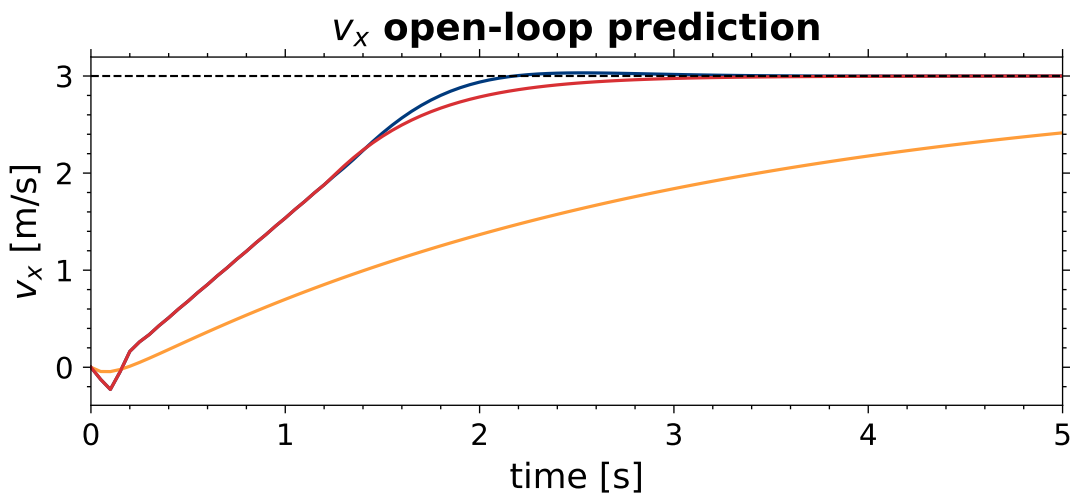


Open-loop MPC predictions (tracking $v_x, v_y, v_z = 3 \text{ m/s}$, $\gamma = 35^\circ$)



$H = 5.0 \text{ s}$, $N = 100$

— Identity $Q = I, R = I$

— Heuristic $Q_{ii} = 1/x_{i,\max}^2$, $R_{ii} = 1/u_{i,\max}^2$

— Final tuned