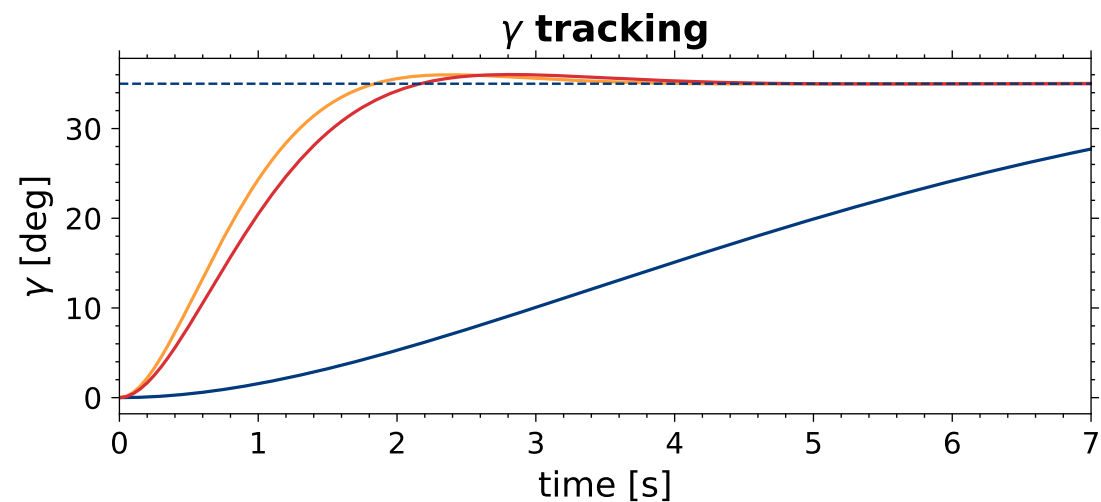
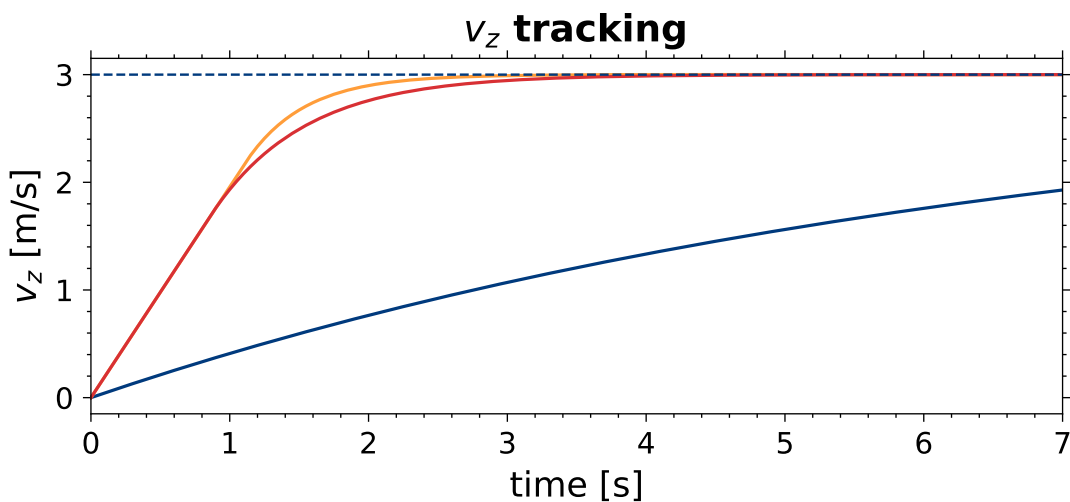
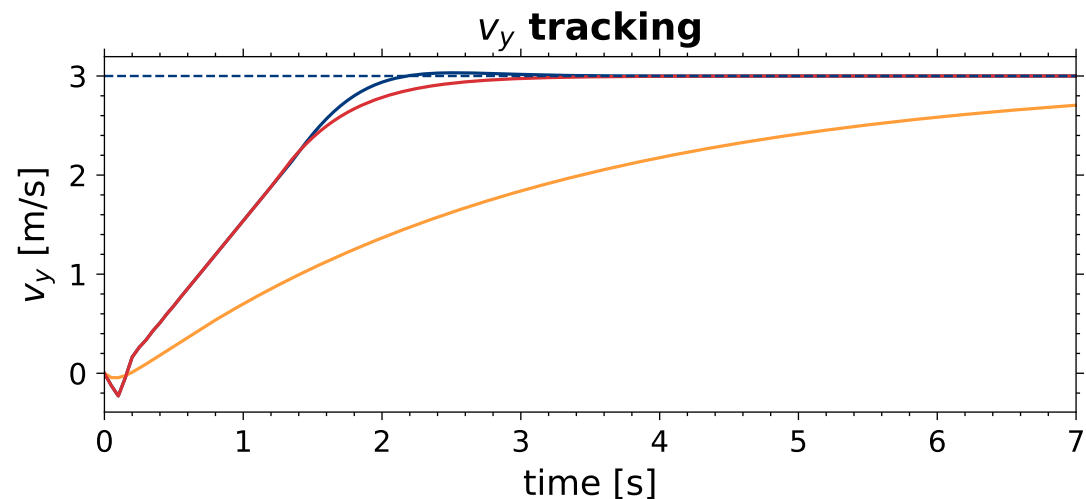
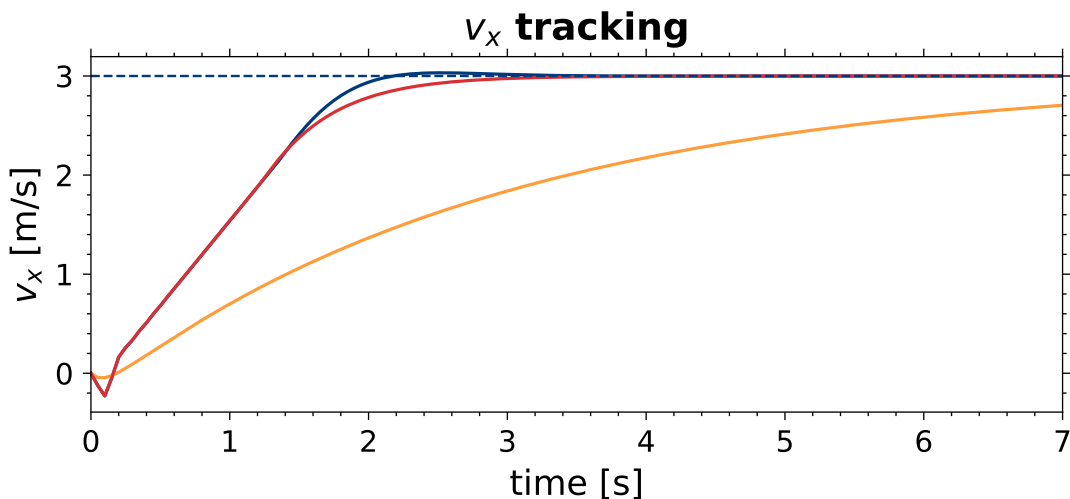


Closed-loop MPC tracking ($v_x, v_y, v_z = 3 \text{ m/s}$, roll = 35°)



$H = 6.0 \text{ s}, N = 120$

— Identity $Q = I, R = I$

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

— Final tuned