Double Integrator Control Comparison
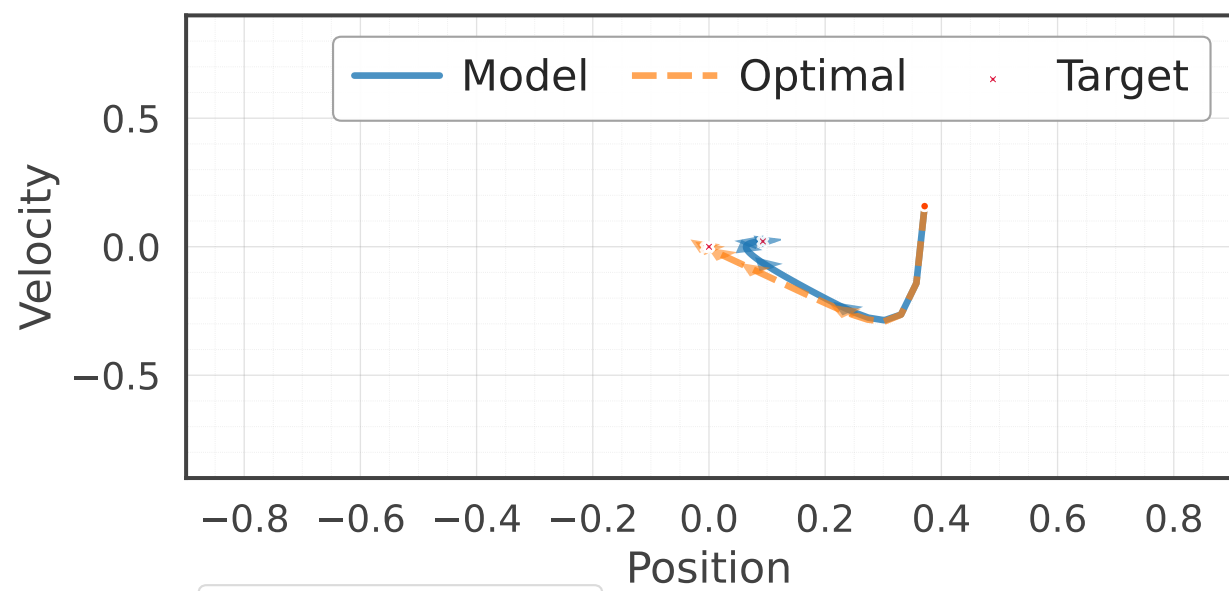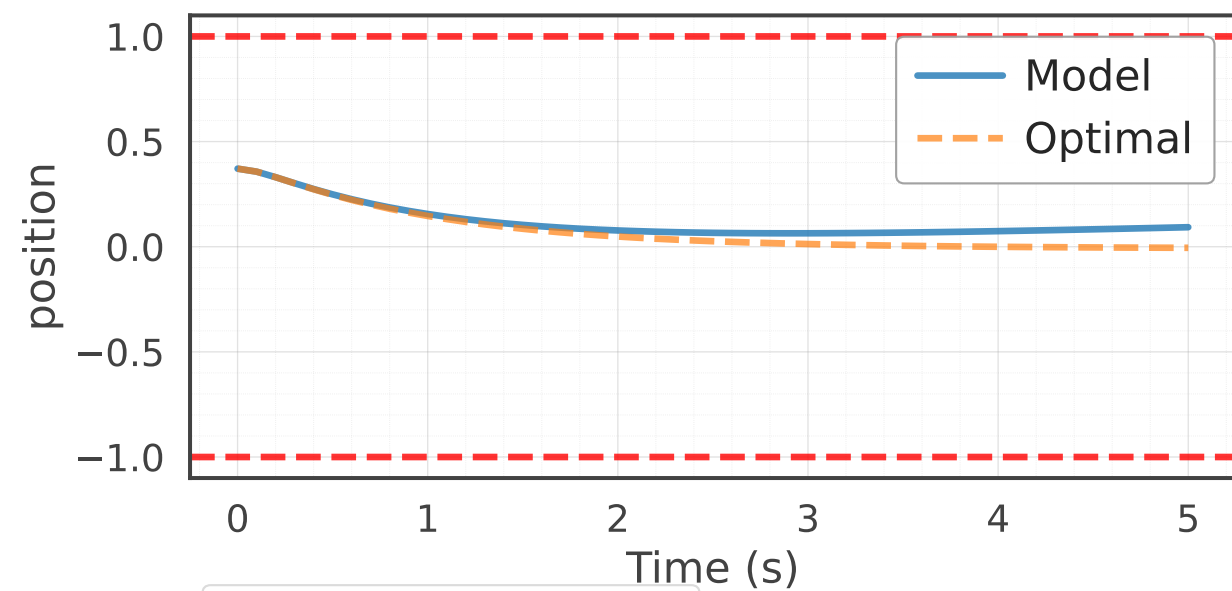**Initial State: (np.float64(0.37119030689824806), np.float64(0.15785357471525852))**

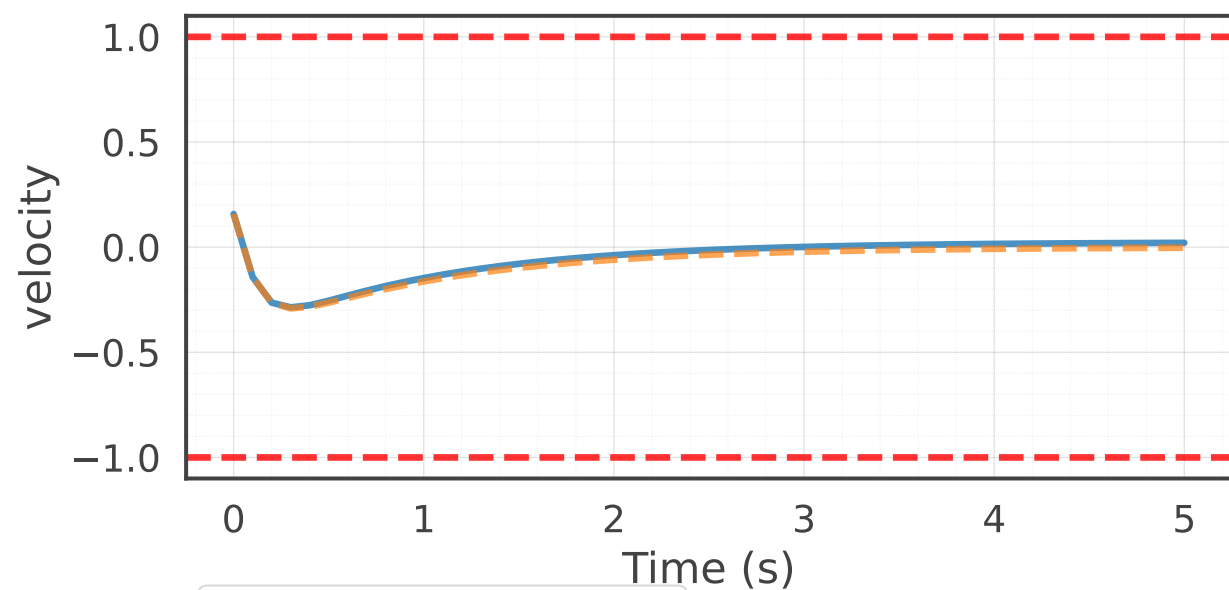**(a) Phase Space**

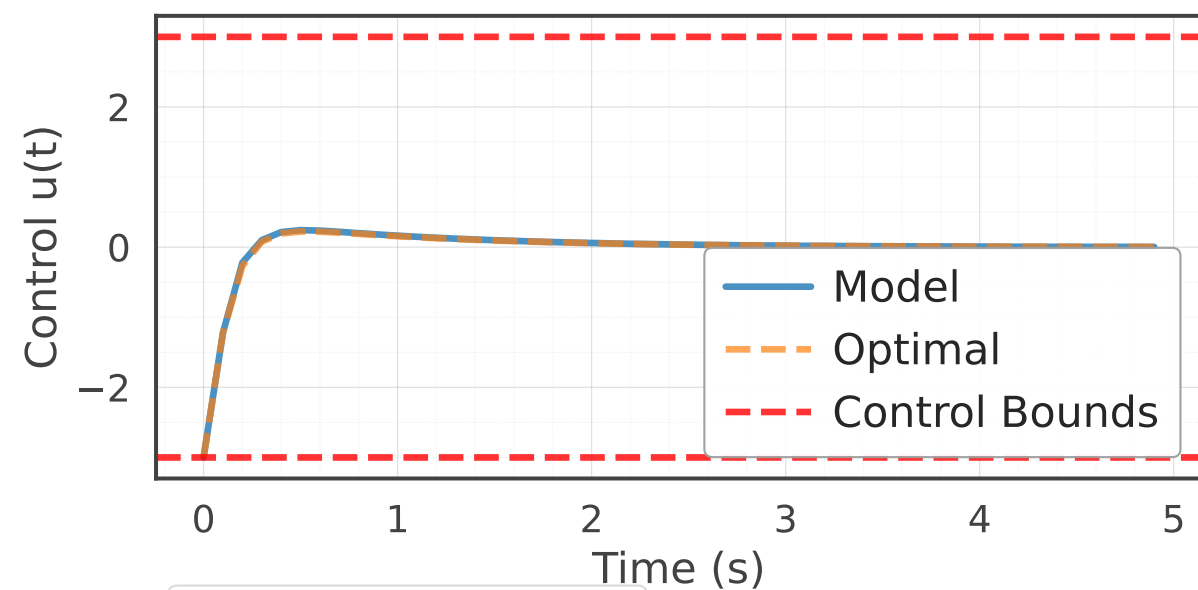**(b) Position vs Time**

(c) Velocity vs Time

(d) Control vs Time