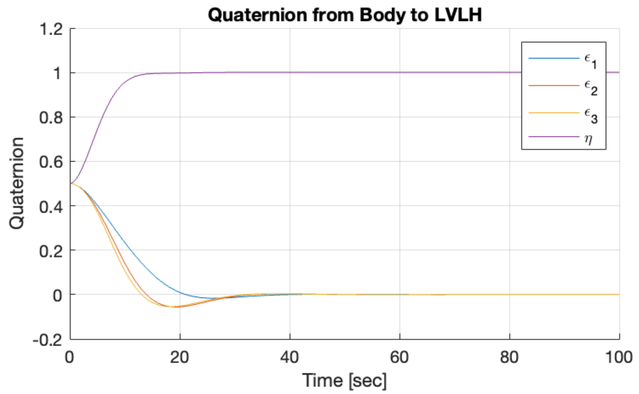
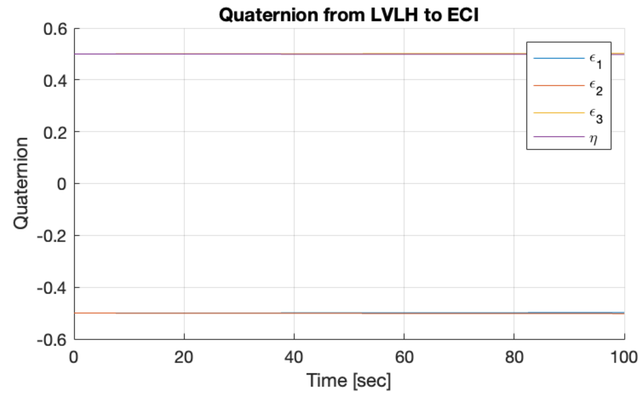
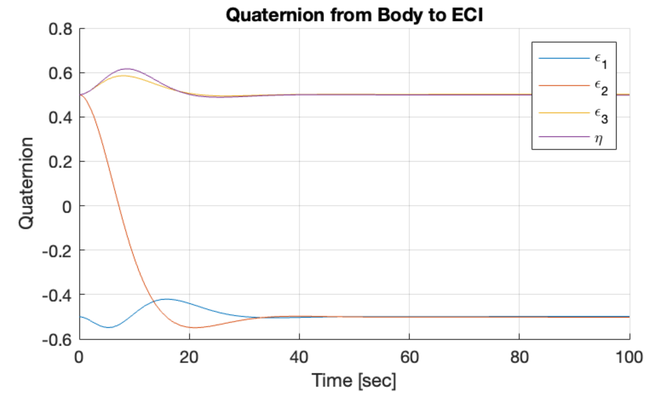
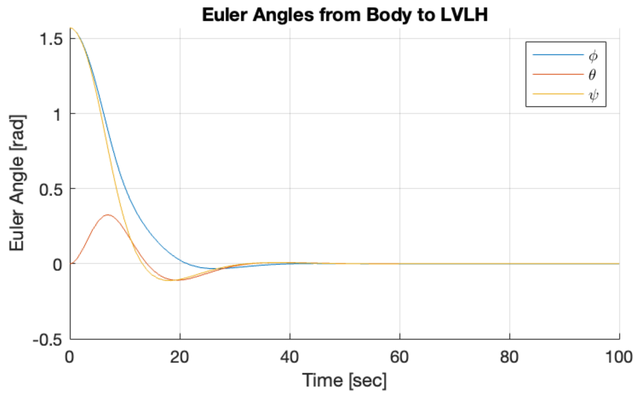
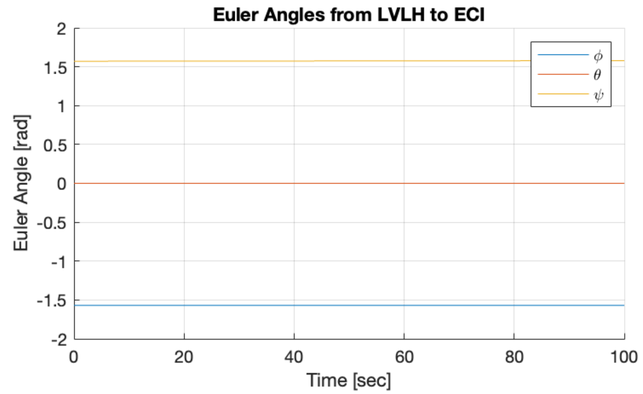
$$T_C = -K_p \text{sign}(n_e)\epsilon_e - K_d\omega$$

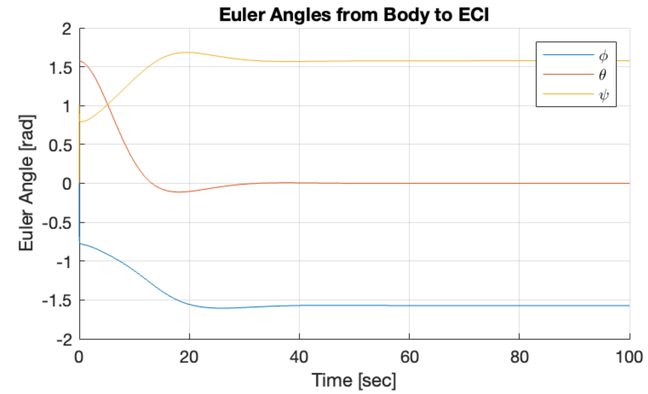


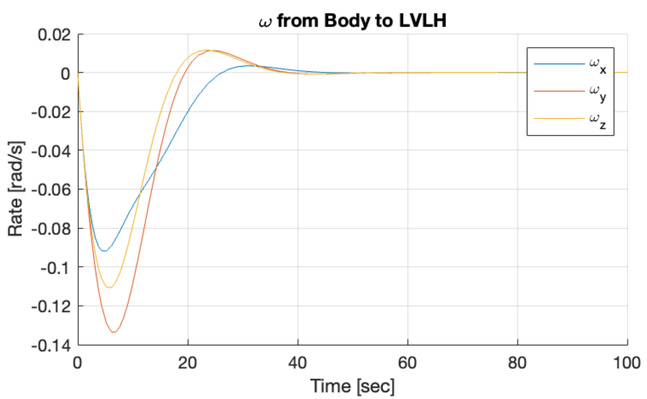


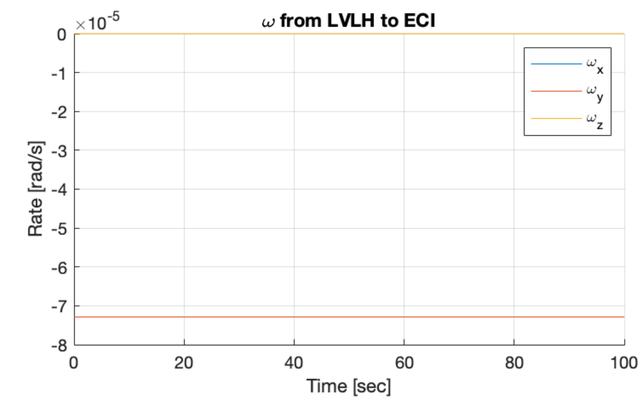


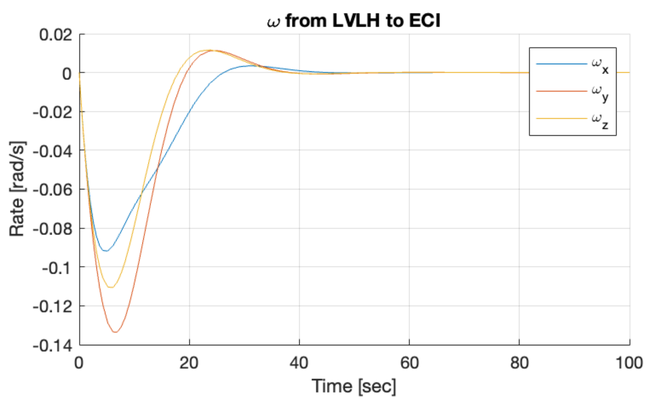




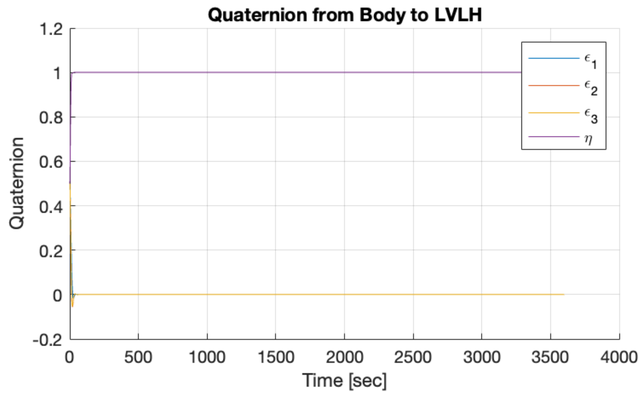


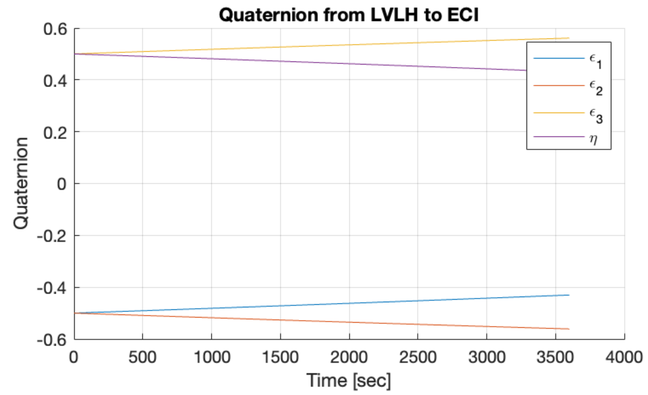


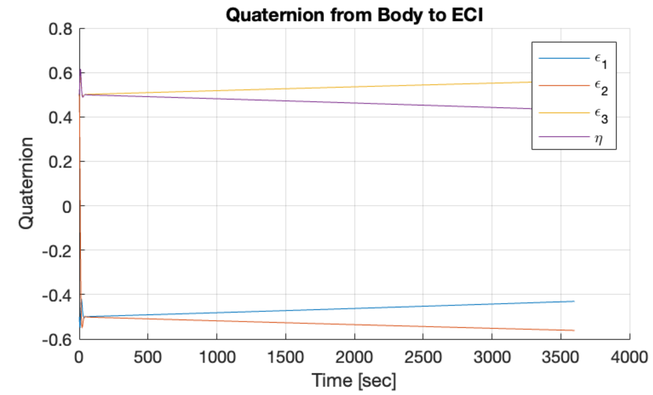


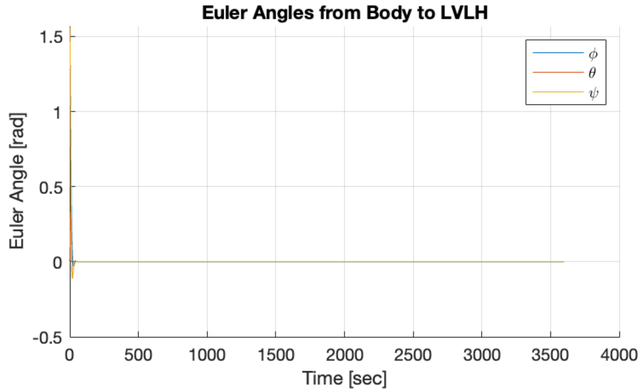


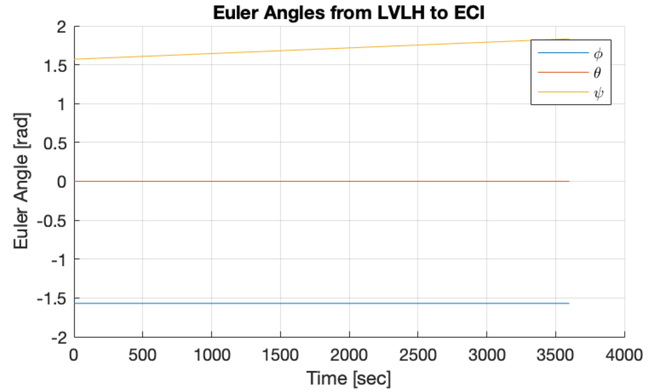
$$T_C = -K_p \text{sign}(n_e)\epsilon_e - K_d\omega$$

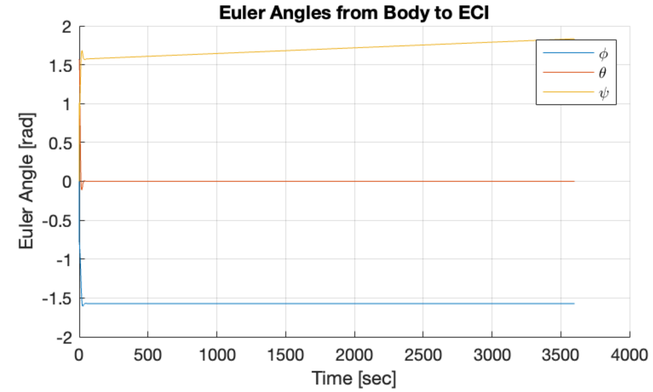


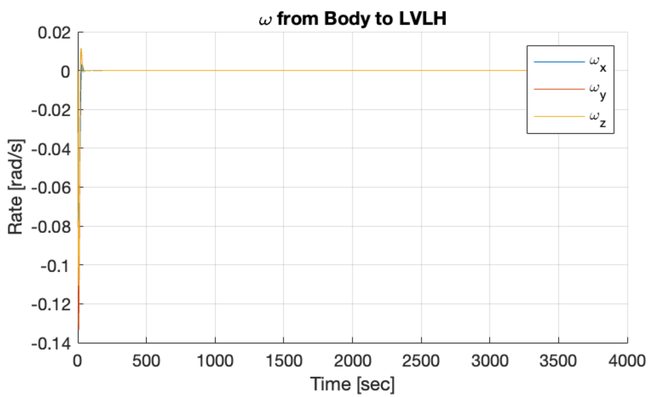


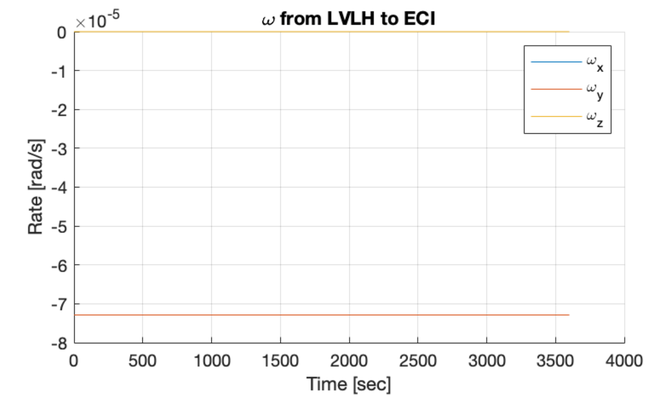


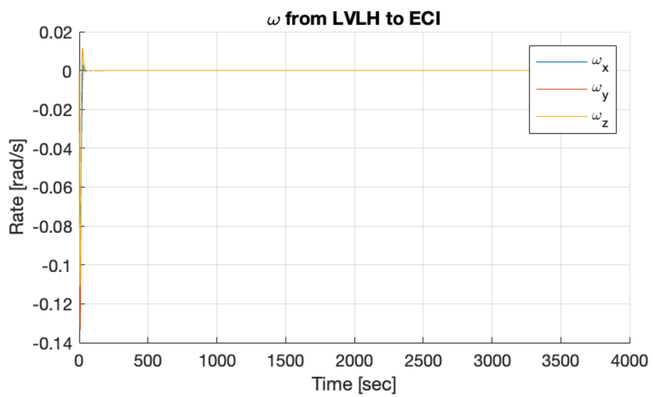




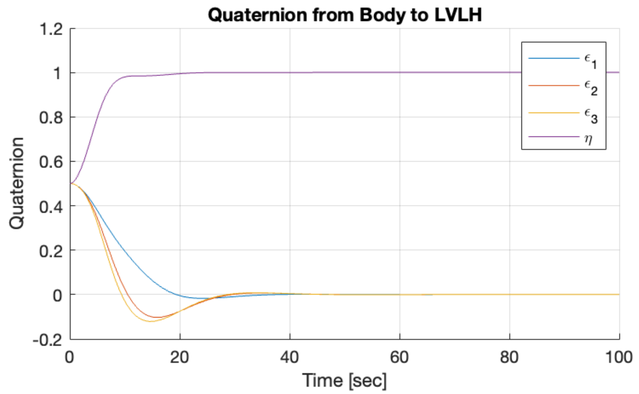


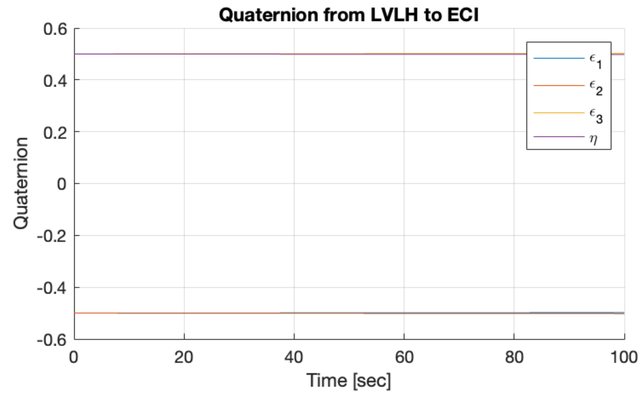


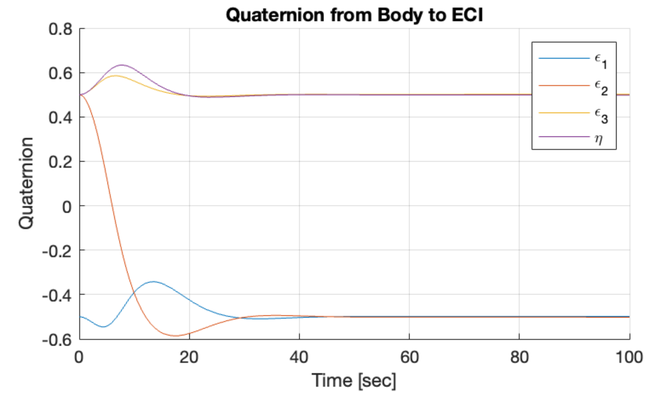


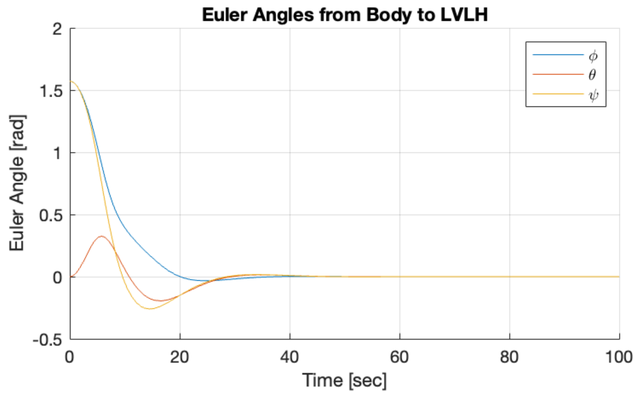


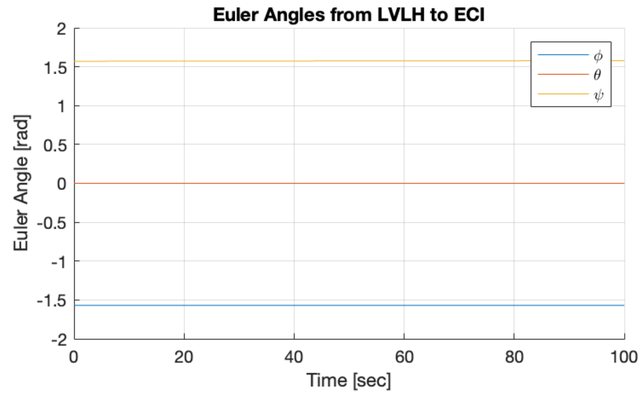
$$T_C = -K_p \text{sign}(n_e)\epsilon_e - K_d(1-\epsilon_e^T\epsilon_e)\omega$$

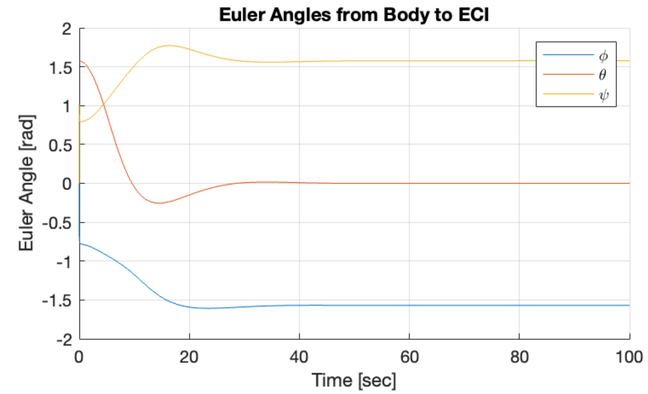


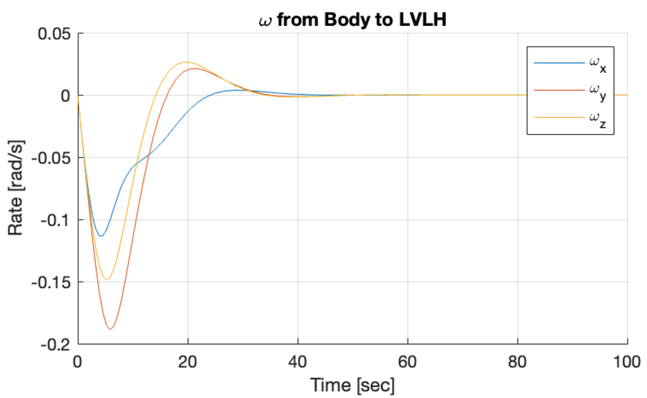


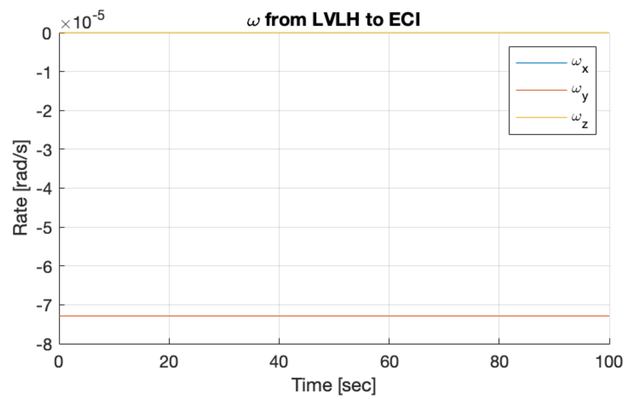


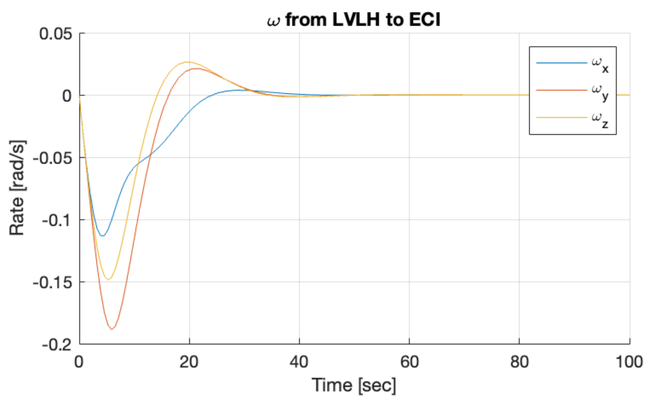




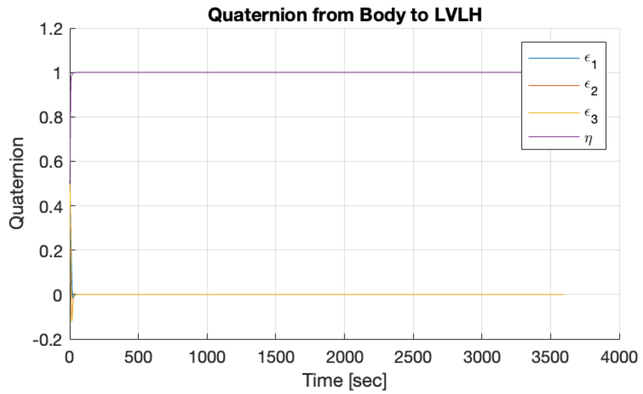


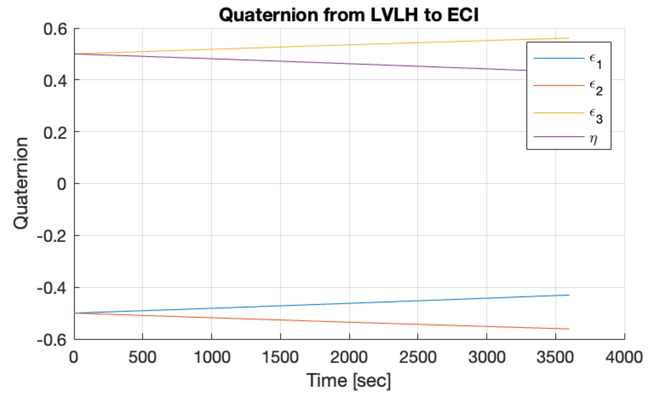


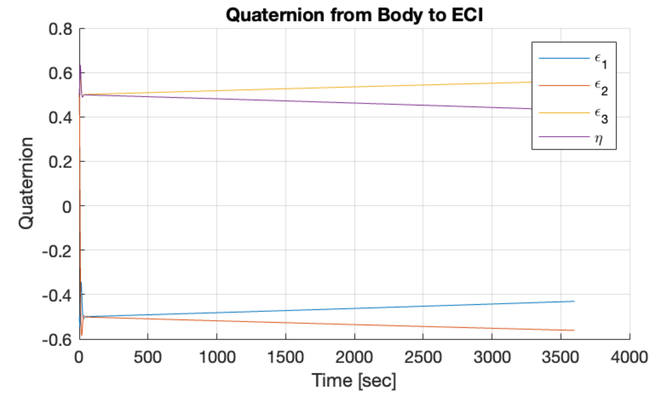


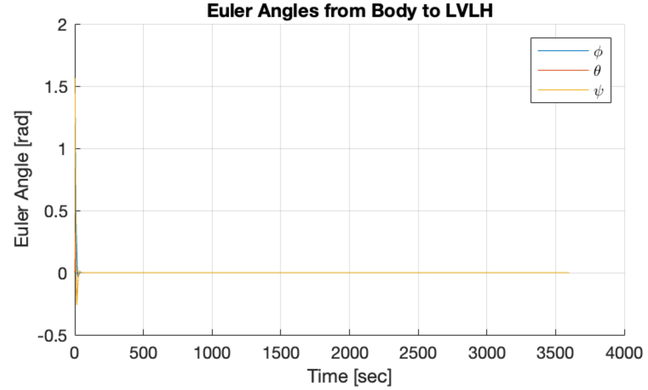


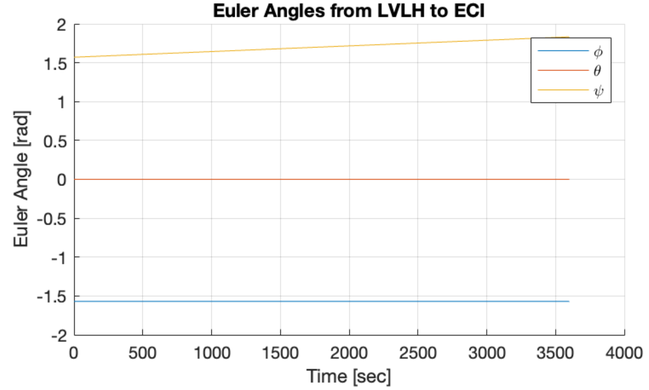
$$T_C = -K_p \text{sign}(n_e)\epsilon_e - K_d(1-\epsilon_e^T\epsilon_e)\omega$$

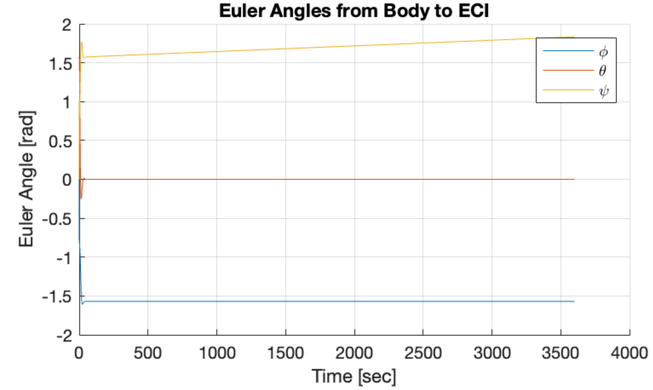


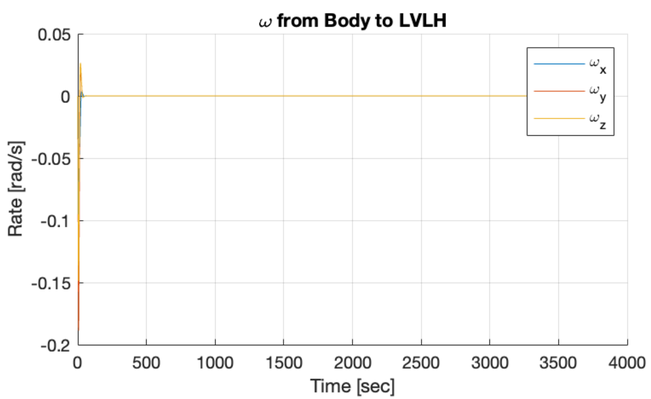


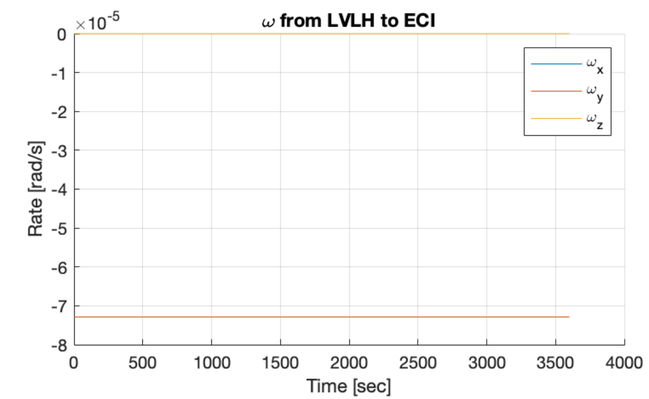


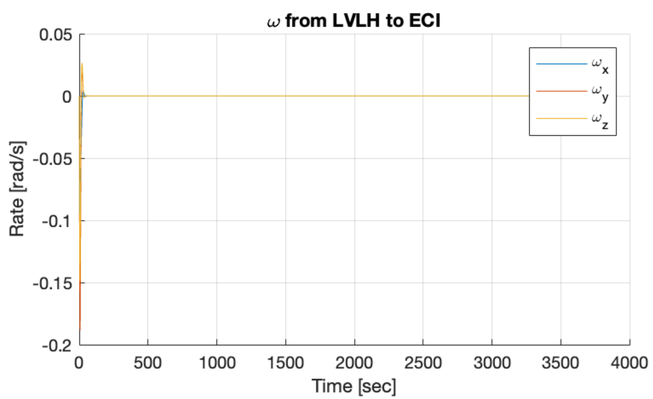




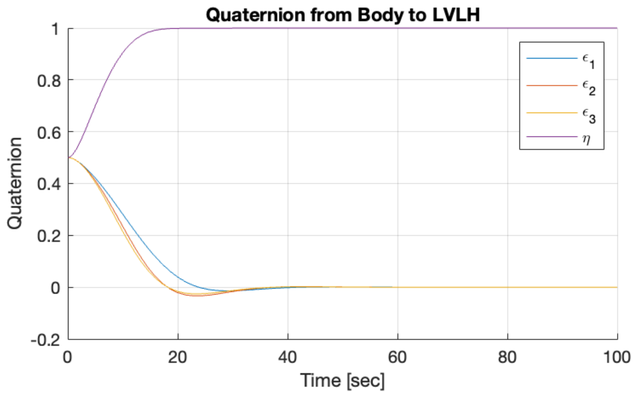


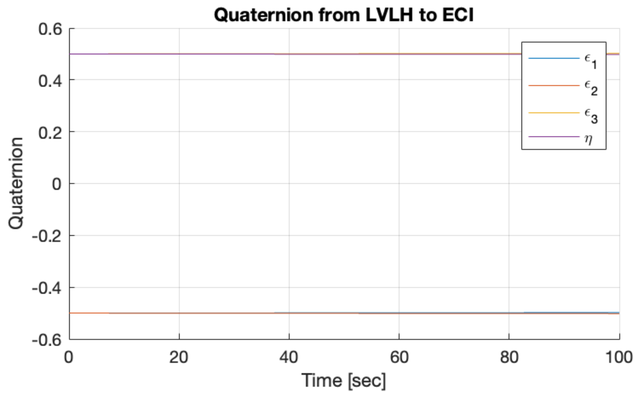


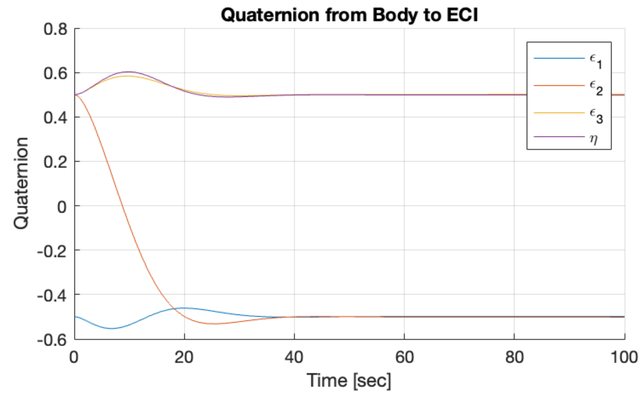


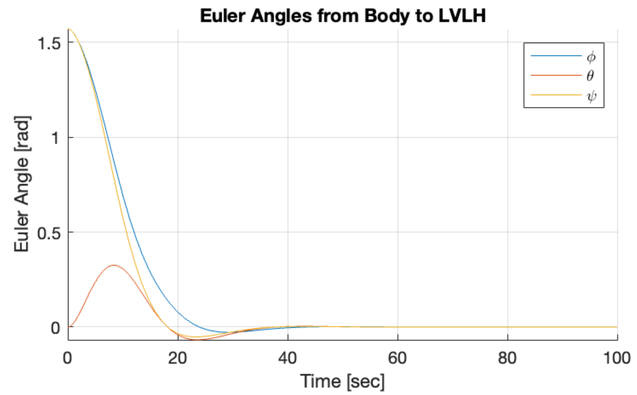


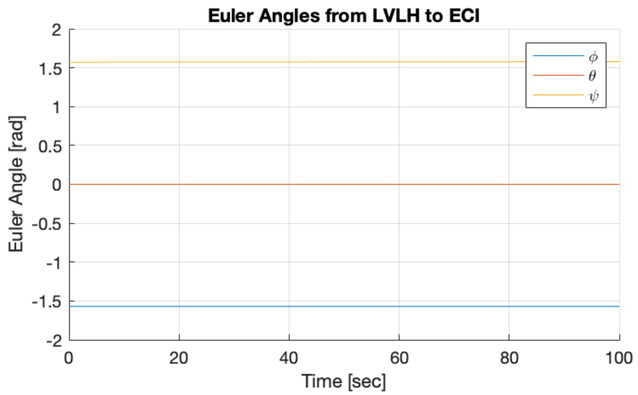
$$T_C = -K_p \text{sign}(n_e)\epsilon_e - K_d(1+\epsilon_e^T\epsilon_e)\omega$$

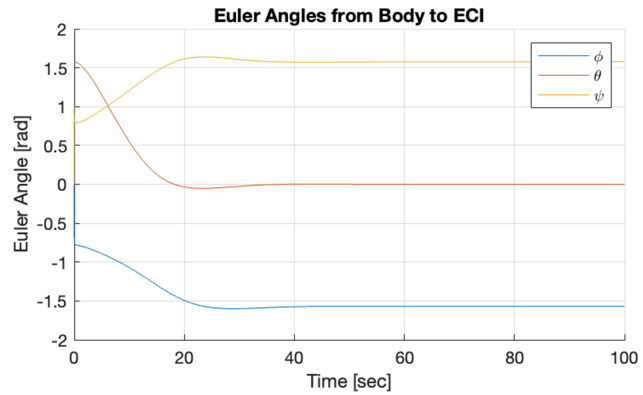


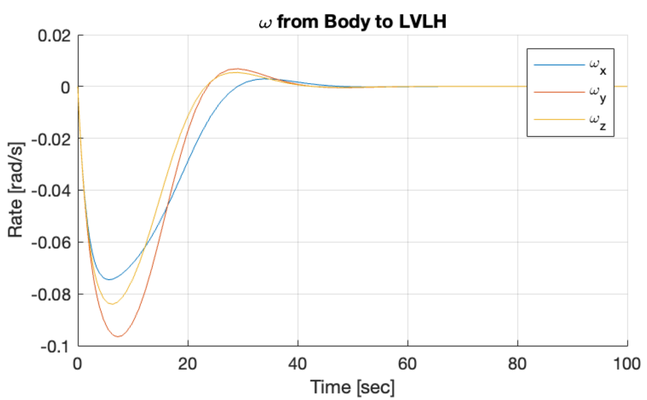


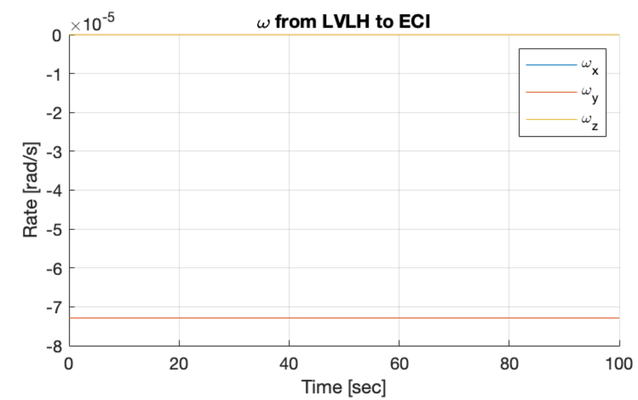


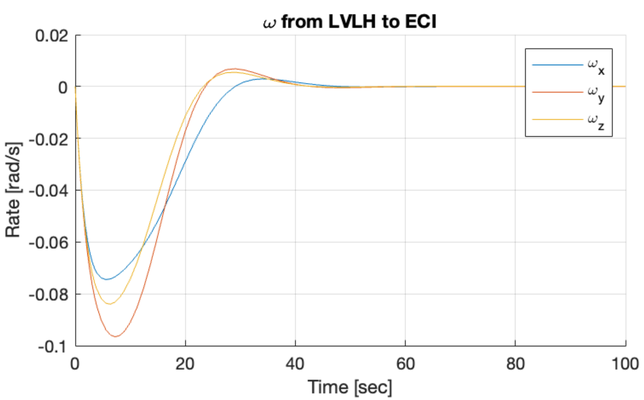












$$T_C = -K_p \text{sign}(n_e)\epsilon_e - K_d(1+\epsilon_e^T\epsilon_e)\omega$$