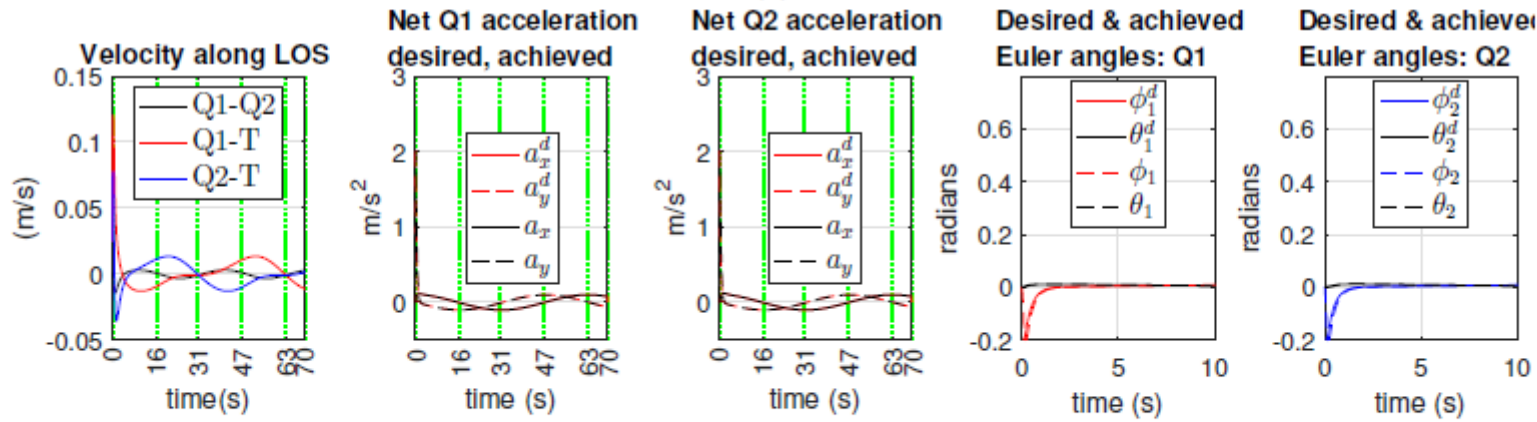


(a)



(b)

Fig. 18 Circular motion of target, $K_P = 1, K_{Pr} = 1.5, K_D = 2, K_{Dr} = 2.2, K_{D\alpha} = K_{Dr\alpha} = 2, K_{P\alpha} = 0$; (a) Quadrotor system performance, and (b) Control performance.